

ESTABLISHED 1853

Illustrated Catalogue

AND

PRICE-LIST

OF

TOOLS

AND

**HARDWARE
SPECIALTIES**

No. 22

JOHN STORTZ & SON, Inc.

210-212 VINE STREET

PHILADELPHIA, PA., U. S. A.

ESTABLISHED 1853

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AND

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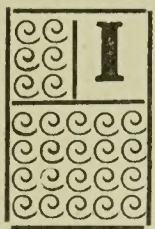


JOHN STORTZ & SON, Inc.

210-212 VINE STREET

PHILADELPHIA, PA., U. S. A.

TO THE TRADE



IN presenting our Catalogue and Price-List, we have included a number of new articles, which we have from time to time added to our line. We propose to continue to improve and add any new or desirable article which may be demanded or commend itself to our notice.

Having been established over sixty-five years, during which time we have maintained the excellence of our output, and feel we have merited the confidence of the trade, we are gratified in presenting a line of goods of excellent quality, at prices which will be found low and reasonable, when quality is considered. In this connection we wish buyers to bear in mind the following points when comparing prices:

FIRST.—We fully warrant all our Tools perfect, and will replace, at our expense, any that break, showing a flaw in the material or defect in manufacture or temper.

SECOND.—We use the Best Material and employ skilled labor in every branch, giving every detail our practical supervision, testing and inspecting each article, thus insuring an A-1 Tool and satisfaction.

THIRD.—Our object is to produce at as low a price as possible and **avoid inferiority**, a line of goods which retains a customer and increases the demand for our goods, and thus build up your business and our reputation.

Terms: 30 days. 2 per cent. for Cash in 10 days. Goods shipped F. O. B. Philadelphia at buyer's risk if no special arrangements are made.

Accounts not settled at maturity will be subject to Sight Draft.

All claims must be made within five days after receipt of goods and invoice. **Prices subject to change without notice.**

We request that all former Catalogues be discarded, as the retaining of same may lead to confusion, as quite a number of the lists and discounts have been changed.

Thanking you for past patronage, we hope to receive and merit a continuance of the same.

We solicit your correspondence and orders.

Respectfully yours,

JOHN STORTZ & SON, INC.

210 and 212 Vine Street

Philadelphia, Pa., U. S. A.

ESTABLISHED 1853

Illustrated Catalog and Price List

— OF —

Plumbers' and Tinnners' Tools

Ice Tools

Oyster Knives and Tools

Crate Hammers and Hatchets

Case, Box and Bale Hooks

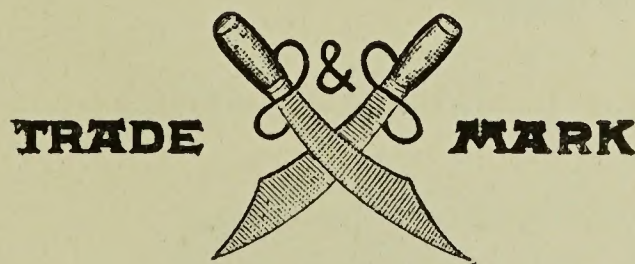
Painters' and Plumbers' Scrapers

Cement and Concrete Workers'

Contractors' and Pavers' Tools

Brushmakers' and Loom Shears, etc.

Sidewalk, Ship and Box Scrapers



Every Tool bearing our name or trade mark is fully warranted

JOHN STORTZ & SON, INC.

210-212 Vine Street,

Philadelphia, Pa. U. S. A.

PLUMBERS' TOOLS

Fig. 1

STEEL BENDING PINS



No. 1.—Tapered and Bent on both ends.....per dozen, \$3.60

Fig. 2

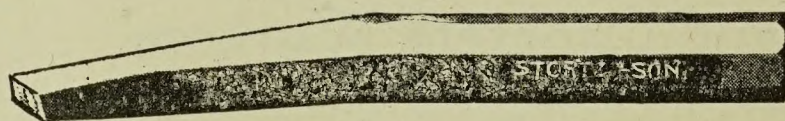
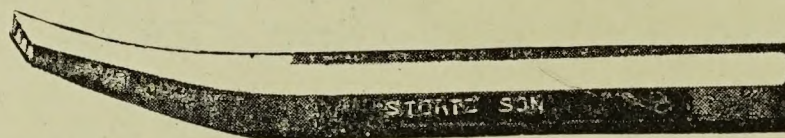


No. 2.—Tapered on both ends; Bent on one end only.....per dozen, \$3.60
 3.—Tapered on one end only and Bent on Tapered End... “ 3.60

Fig. 3

PLUMBERS' CAULKING IRONS

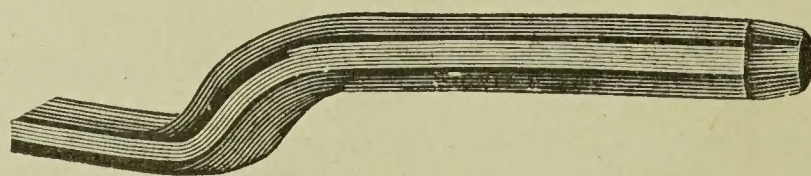
OUTSIDE



INSIDE

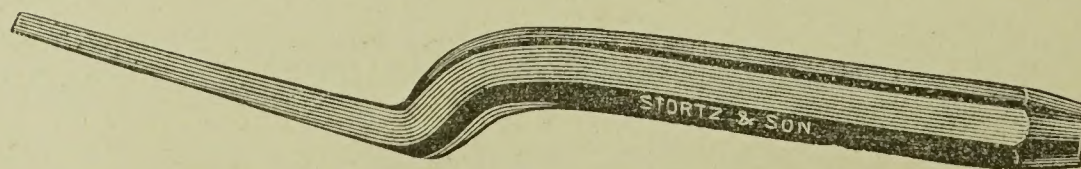
No. 3.— $\frac{5}{8}$ in. Steel, assorted thickness of face..... per dozen \$4.50
 $\frac{3}{4}$ in. Steel, assorted thickness of face..... “ 6.00
 $\frac{7}{8}$ in. Steel, assorted thickness of face..... “ 7.20

Fig. 4

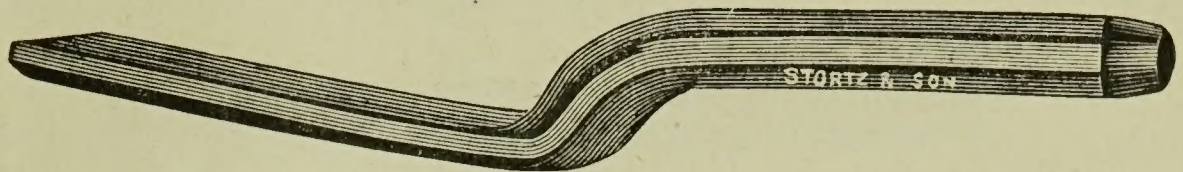


A— $\frac{1}{2}$ in. Octagon Steel, $\frac{3}{4}$ in. face.....per dozen, \$4.20
 B— $\frac{5}{8}$ in. Octagon Steel, 1 in. face..... “ 4.50
 C— $\frac{3}{4}$ in. Octagon Steel, 1 in. face..... “ 6.00
 D— $\frac{7}{8}$ in. Octagon Steel, 1 in. face..... “ 7.20

Fig. 5



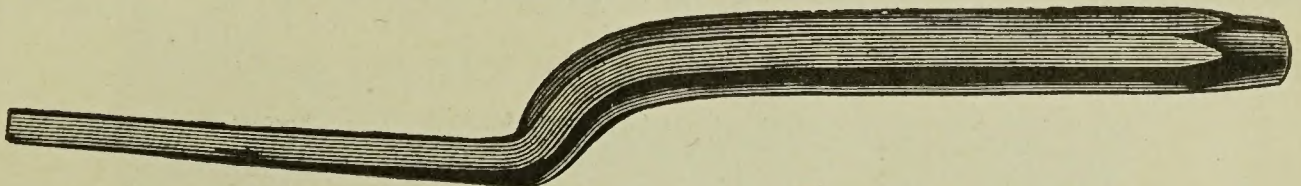
Flat end..... $\frac{5}{8}$ in. Octagon Steel, 3 in. tongue.....per dozen \$4.50
 Flat end..... $\frac{3}{4}$ in. Octagon Steel, 3 in. tongue..... “ 6.00
 Flat end..... $\frac{7}{8}$ in. Octagon Steel, 3 in. tongue..... “ 7.20

Fig. 6

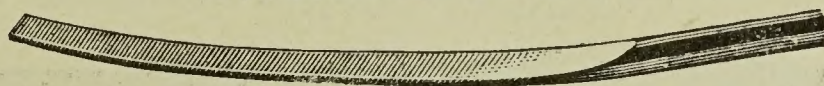
$\frac{5}{8}$ in. Octagon Steel	per dozen,	\$4.50
$\frac{3}{4}$ in. Octagon Steel	"	6.00
$\frac{7}{8}$ in. Octagon Steel	"	7.20

Fig. 7**GASKET IRONS**

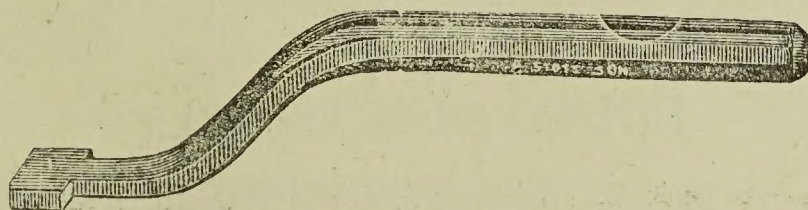
$\frac{5}{8}$ in. Octagon Steel	per dozen	\$4.80
$\frac{3}{4}$ in. Octagon Steel	"	6.00
$\frac{7}{8}$ in. Octagon Steel	"	7.20

Fig. 8**PLUMBERS' YARNING TOOLS**

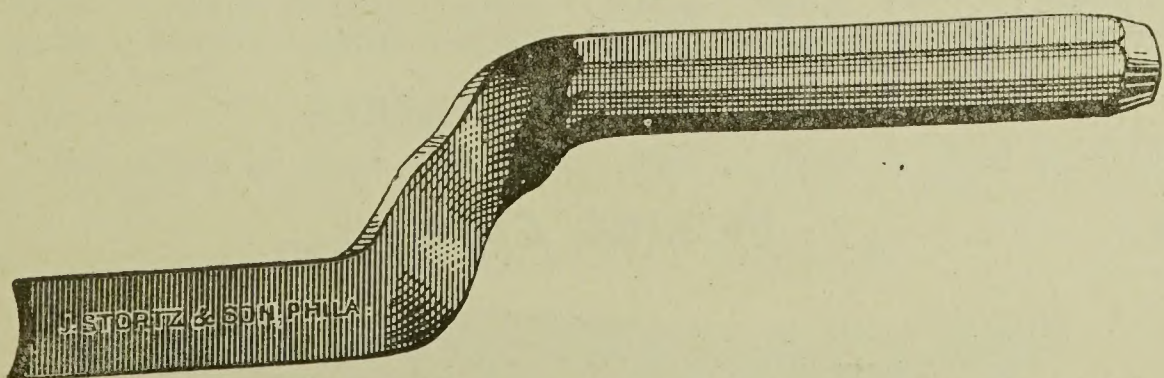
No. 8a.—Long Nose Yarning Chisel, $\frac{1}{2}$ in. Steel.....	per dozen,	\$4.50
No. 8b.—Long Nose Yarning Chisel, $\frac{5}{8}$ in. Steel.....	"	4.80
No. 8c.—Long Nose Yarning Chisel, $\frac{3}{4}$ in. Steel.....	"	6.00
No. 8d.—Long Nose Yarning Chisel, $\frac{7}{8}$ in. Steel.....	"	7.20

Fig. 9**PACKING CHISEL**

$\frac{5}{8}$ in. Octagon Spring Steel, 18 in. long.....	per dozen,	\$8.40
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Fig. 10**CORNER IRONS**

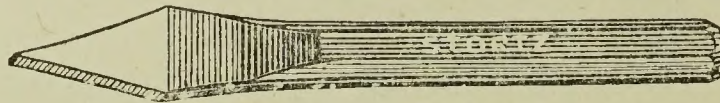
No. 10.— $\frac{3}{4}$ in. x 12 in. 2 in. nose.....	per dozen,	\$9.00
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Fig. 11**CORNER IRONS**

No. 11a.— $\frac{5}{8}$ in. Steel.....	Right hand bend.....	per dozen,	\$7.20
No. 11b.— $\frac{5}{8}$ in. Steel.....	Left hand bend.....	"	7.20
No. 11c.— $\frac{3}{4}$ in. Steel.....	Right hand bend.....	"	8.56
No. 11d.— $\frac{3}{4}$ in. Steel.....	Left hand bend.....	"	8.50

Fig. 12**COLD CHISELS**

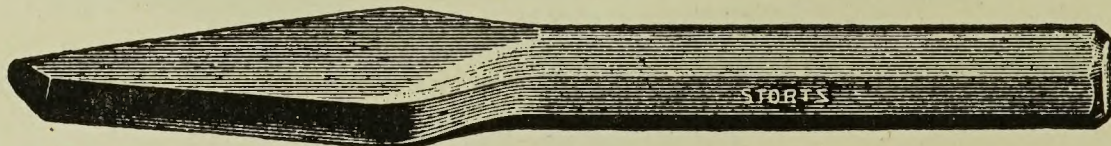
Width of face and length.....	$\frac{1}{4} \times 4$,	$\frac{5}{16} \times 4\frac{1}{2}$,	$\frac{3}{8} \times 5$,	$\frac{1}{2} \times 5\frac{1}{2}$,	$\frac{5}{8} \times 6$,	$\frac{3}{4} \times 7$,	$\frac{7}{8} \times 8$,	1×9
Price per dozen.....	\$1.80	\$2.00	\$2.25	\$3.20	\$4.00	\$5.25	\$6.50	\$8.00
Width of face and length.....				$\frac{5}{8} \times 12$	$\frac{5}{8} \times 18$			$\frac{5}{8} \times 24$
Price per dozen.....				\$7.00	\$8.50			\$10.00
Width of face and length.....				$\frac{3}{4} \times 12$	$\frac{3}{4} \times 18$			$\frac{3}{4} \times 24$
Price per dozen.....				\$9.00	\$12.00			\$14.00
Width of face and length.....				$\frac{7}{8} \times 12$	$\frac{7}{8} \times 18$			$\frac{7}{8} \times 24$
Price per dozen.....				\$10.50	\$13.00			\$15.00

Fig. 14**CAPE CHISELS**

Size of Steel.....	$\frac{1}{4} \times 4$	$\frac{5}{16} \times 4\frac{1}{2}$	$\frac{3}{8} \times 5$	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 6\frac{1}{2}$	$\frac{3}{4} \times 7$	$\frac{7}{8} \times 8$
Price per dozen.....	\$2.25	\$2.50	\$3.25	\$4.20	\$5.50	\$7.00	\$8.00

Fig. 15**DIAMOND NOSE CHISELS**

Size of Steel.....	$\frac{1}{4} \times 4$	$\frac{5}{16} \times 4\frac{1}{2}$	$\frac{3}{8} \times 5$	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 6\frac{1}{2}$	$\frac{3}{4} \times 7$	$\frac{7}{8} \times 8$
Price per dozen.....	\$2.25	\$2.50	\$3.25	\$4.20	\$5.50	\$7.00	\$8.00

Fig. 16.**HALF ROUND NOSE CHISELS**

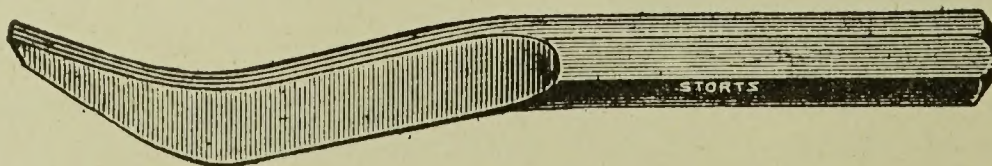
Size of Steel.....	$\frac{1}{4} \times 4$	$\frac{5}{16} \times 4\frac{1}{2}$	$\frac{3}{8} \times 5$	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 6\frac{1}{2}$	$\frac{3}{4} \times 7$	$\frac{7}{8} \times 8$
Price per dozen.....	\$2.25	\$2.50	\$3.25	\$4.20	\$5.50	\$7.00	\$8.00

Fig. 17**ROUND NOSE CHISELS**

Size of Steel.....	$\frac{1}{4} \times 4$	$\frac{5}{16} \times 4\frac{1}{2}$	$\frac{3}{8} \times 5$	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 6\frac{1}{2}$	$\frac{3}{4} \times 7$	$\frac{7}{8} \times 8$
Price per dozen.....	\$2.25	\$2.50	\$3.25	\$4.20	\$5.50	\$7.00	\$8.00

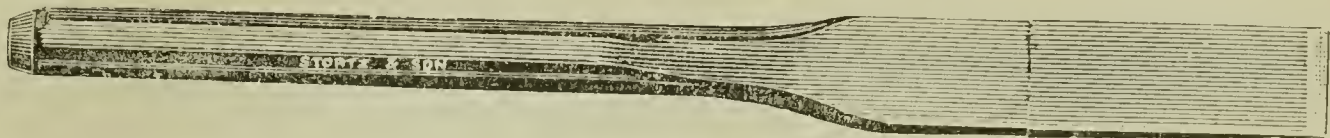
OIL GROOVE CHISELS

1 Set (6)— $\frac{1}{8}$ inch, $\frac{3}{16}$ inch, $\frac{1}{4}$ inch, $\frac{5}{16}$ inch, $\frac{3}{8}$ inch, $\frac{1}{2}$ inch—Set.....\$3.60

Fig. 18**PICKING CHISELS**

$\frac{5}{8}$ Octagon Steel, 7 inches long.....per dozen, \$6.00

Fig. 19 ALL STEEL WOOD CHISELS



Size of face.....	1/2	3/4	1	1 1/4	1 1/2
Length, inches	9	10	11	12	14
Price per dozen.....	\$4.25	\$5.25	\$6.50	\$8.00	\$11.00

Fig. 20 ALL STEEL WOOD GOUGES



Size of face.....	1/2	3/4	1	1 1/4	1 1/2
Length, inches	9	10	11	12	14
Price per dozen.....	\$5.40	\$7.20	\$9.00	\$9.75	\$10.50

Fig. 21 FLOOR CHISELS



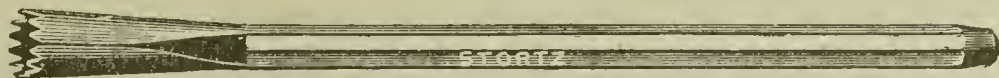
Size of face.....	2	2 1/2	3	3 1/2	4
Size of steel.....	5/8x8	3/4x10	3/4x12	3/4x14	7/8x16
Price per dozen.....	\$9.00	\$11.00	\$13.50	\$17.00	\$22.00

Fig. 22 STAR DRILLS



Forged from best Octagon Tool Steel.										
Size of face	5/16	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8
Length ...	10	10	10	12	12	12	12	18	18	18
Per Doz.	\$4.25	4.75	5.50	6.00	8.00	10.50	13.50	18.00	22.00	26.00
Special Sizes Made to Order										

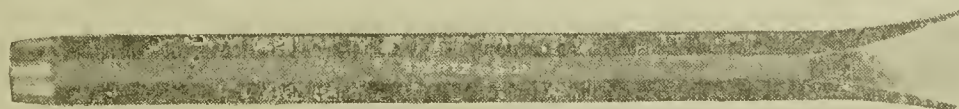
Fig. 22 1/2 HOLLOW BRICK DRILLS



These drills are made of high grade tool steel, are wider at cutting edge to give clearance, the dust passing through the drill. They are carefully hardened and tempered.

Length, inches	12	12	14	16	18
Size of Hole	1/2	5/8	3/4	1	1 1/4
Price per dozen.....	\$10.75	13.00	16.00	18.25	21.50

Fig. 23 DIAMOND POINT DRILLS



Forged from best quality Octagon Tool Steel.									
Length, inches.....	8	8	8	10	10	12	12	18	18
Size of Hole.....	5/16	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2
Price per dozen....	\$3.60	4.00	4.50	5.25	6.25	7.50	9.50	14.00	18.00

Fig. 23-A

NAIL CHISELS



$\frac{3}{4}$ x18 inch Octagon Steel, 1 $\frac{1}{2}$ inch cut.....per dozen, \$13.50

Fig. 23-B . .

CLAPBOARD CHISELS



$\frac{3}{4}$ x18 inch Octagon Steel, 1 $\frac{1}{2}$ inch cut.....per dozen, \$12.50

Fig. 24

BRICK CHISELS



Regular Size.

Flat Steel, size $\frac{3}{8}$ x $\frac{7}{8}$ x12	.....per dozen,	\$5.40
Octagon Steel, size $\frac{5}{8}$ x12	....."	6.00
Octagon Steel, size $\frac{3}{4}$ x18	....."	10.50
Octagon Steel, size $\frac{3}{4}$ x24	....."	13.50
Octagon Steel, size $\frac{7}{8}$ x18	....."	15.00
Octagon Steel, size $\frac{7}{8}$ x24	....."	18.00

Fig. 25

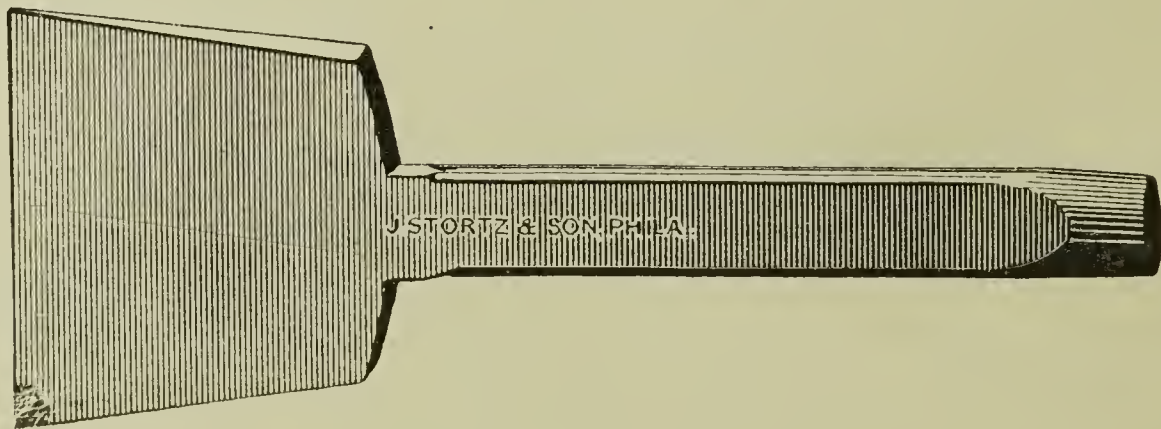
JOINT CHISELS



Flat steel, size $\frac{3}{8}$ x $\frac{7}{8}$ x12.....	per dozen,	\$540
Octagon Steel, size $\frac{5}{8}$ x12.....	"	6.00

Fig. 26

FRONT CHISELS



Oil Finish.

Width of face.....	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Price per dozen.....	\$9.75	11.50	13.50	16.00

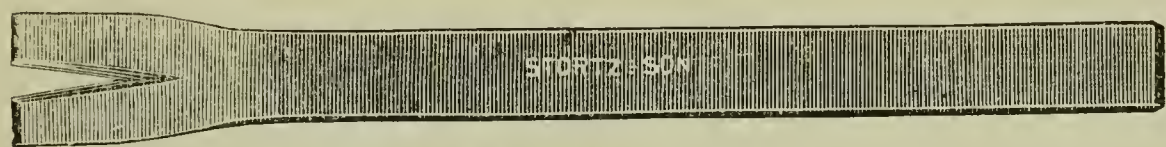
Fig. 27

BRICKLAYERS' LINE PINS



Heavyper dozen, \$2.25

Fig. 28 BOX CHISELS



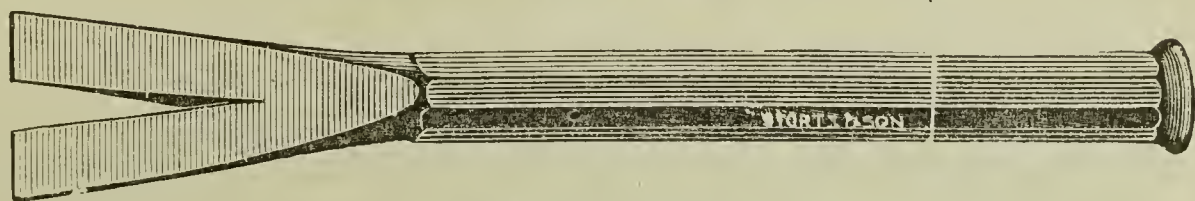
Flat Steel

Length	12 in.	14 in.	16 in.
Price per dozen	\$5.60	\$6.25	\$7.20

Octagon Steel

Length	12x5/8 in.	14x3/4 in.	16x3/4 in.
Price per dozen.....	\$7.50	\$8.70	\$10.00

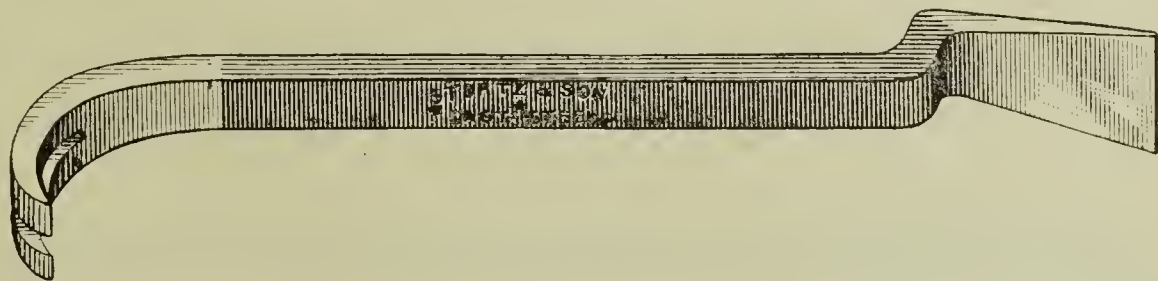
Fig. 29 KNOB HEAD BOX CHISELS



Octagon Steel

Length	10 in.	12 in.	14 in.	16 in.
Price per dozen	\$8.25	\$10.00	\$12.60	\$15.00

Fig. 30 STEEL BOX OPENERS



The practicability of this Tool can plainly be seen from the above cut ; it is made of Steel, and is in universal favor.

No. 1.—5/8 in. sq. steel, 14 in. long.....per dozen, \$9.75

Fig. 31 HERCULES OR RIPPING BAR

U shaped on one end, bent chisel on the other end

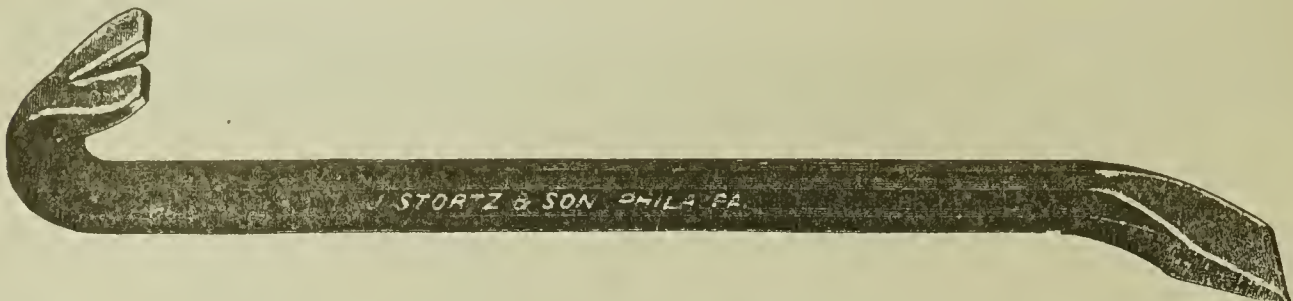


Length	15 in.	18 in.	24 in.	30 in.	36 in.	42 in.
5/8 inch Steel, dozen....	\$9.60	\$11.25	\$13.25	.....	.....	.....
3/4 inch Steel, dozen....	.....	13.25	16.25	19.00	22.00	.....
7/8 inch Steel, dozen....	.....	.....	22.00	24.00	26.00	.....
1 inch Steel, dozen....	.....	.....	.....	28.00	32.00	36.00

Fig. 32

CANE SHAPE PINCH BAR

Both ends bent. Claw at one end. Chisel at the other end.



Length	15 in.	18 in.	24 in.	30 in.	36 in.	42 in.
5/8 inch Steel, dozen....	\$9.60	\$11.25	\$13.25	.....	.....	.....
3/4 inch Steel, dozen....	.....	13.25	16.25	19.00	22.00	.....
7/8 inch Steel, dozen....	.....	.....	22.00	24.00	26.00	.....
1 inch Steel, dozen....	.....	.....	.....	28.00	32.00	36.00

Fig. 33

CLAW AND CHISEL BARS

Both ends bent. Claw at one end. Chisel at the other end.

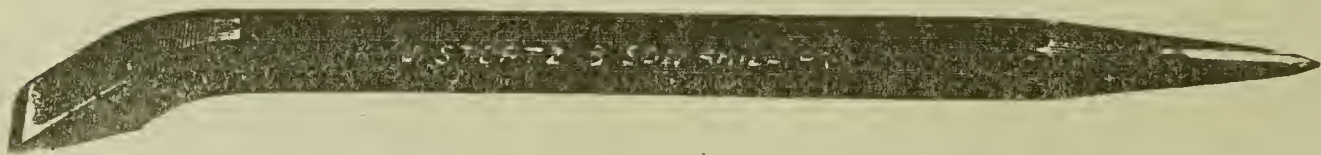


Length	15 in.	18 in.	24 in.	30 in.	36 in.	42 in.
5/8 inch Steel, dozen....	\$8.50	\$10.00	\$12.50	.....	.....	.....
3/4 inch Steel, dozen....	.....	11.50	14.00	17.00	20.00	.....
7/8 inch Steel, dozen....	.....	.....	17.00	20.00	23.00	.....
1 inch Steel, dozen....	.....	.....	.....	24.50	28.50	32.25

Fig. 34

PINCH BAR WITH POINT

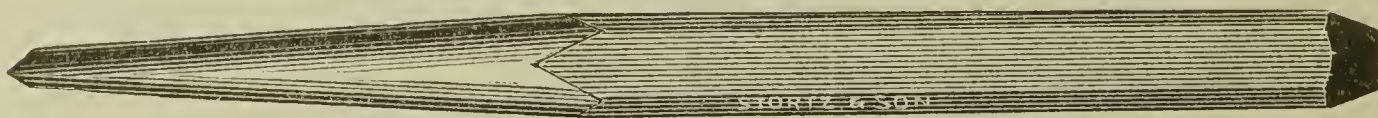
One end straight or bent with chisel, other end straight with round or square points.



Length	15 in.	18 in.	24 in.	30 in.	36 in.	42 in.
5/8 inch Steel, dozen....	\$8.50	\$10.00	\$12.50	.....	.....	.....
3/4 inch Steel, dozen....	.....	11.50	14.00	17.00	20.00	.....
7/8 inch Steel, dozen....	.....	.....	17.00	20.00	23.00	.....
1 inch Steel, dozen....	.....	.....	.....	24.50	28.50	32.25

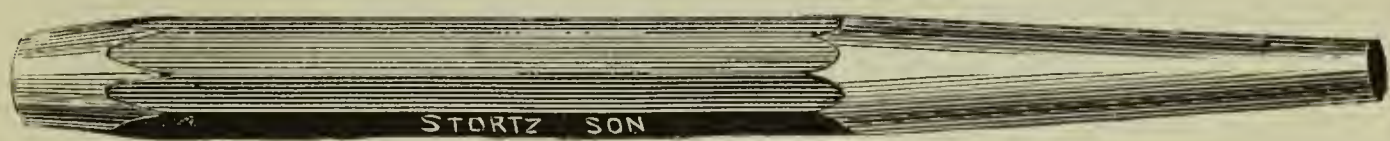
Fig. 35

CENTRE PUNCHES



Octagon Steel, 5/16 x 4 inches.....	per dozen,	\$2.00
Octagon Steel, 3/8 x 4 1/2 inches.....	"	2.40
Octagon Steel, 1/2 x 5 inches.....	"	3.25
Octagon Steel, 5/8 x 6 inches.....	"	4.25

Fig. 36 COOPERS' PUNCHES



For Punching Holes in Hoop Iron, Sheet Iron, etc.

Size of hole.....	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$
Size of steel.....	$\frac{5}{16} \times 4\frac{1}{2}$	$\frac{3}{8} \times 4\frac{1}{2}$	$\frac{3}{8} \times 5$	$\frac{1}{2} \times 6$	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 7$	$\frac{5}{8} \times 7$	$\frac{3}{4} \times 7$
Price per dozen.....	\$2.00	2.40	2.75	3.50	4.25	5.00	6.00	7.00

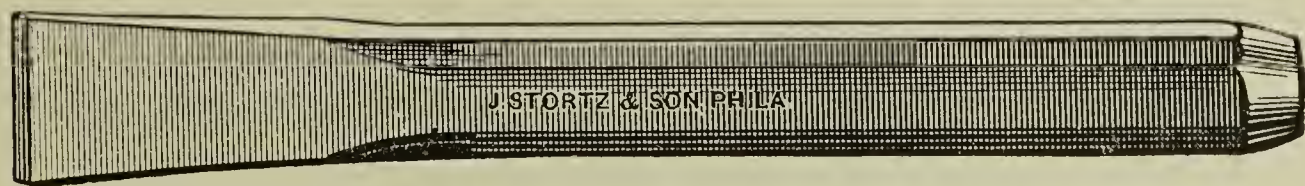
Fig. 37 CONCRETE AND STONE POINTS



Plain Heads. Forged from best English Steel. Oil Finish.

$\frac{5}{8} \times 9$.....10	lbs. dozen	.....	per dozen,	\$5.00
$\frac{3}{4} \times 9$.....13 $\frac{1}{2}$	lbs.	"	"	6.00
$\frac{7}{8} \times 9$.....19 $\frac{1}{4}$	lbs.	"	"	7.50
1 x10.....28 $\frac{1}{4}$	lbs.	"	"	9.00
1 x18.....50 $\frac{3}{4}$	lbs.	"	"	14.30
1 $\frac{1}{4}$ x18.....79 $\frac{1}{2}$	lbs.	"	"	18.50

Fig. 38 CONCRETE AND STONE CHISELS



Plain Heads

$\frac{5}{8} \times 9$.....10	lbs. dozen	.....	per dozen,	\$5.00
$\frac{3}{4} \times 9$.....13 $\frac{1}{2}$	lbs.	"	"	6.00
$\frac{7}{8} \times 9$.....19 $\frac{1}{4}$	lbs.	"	"	7.50
1 x10.....28 $\frac{1}{4}$	lbs.	"	"	9.00
1 x18.....50 $\frac{3}{4}$	lbs.	"	"	14.30
1 $\frac{1}{4}$ x18.....79 $\frac{1}{2}$	lbs.	"	"	18.50

Fig. 38-A STONE POINTS, MALLET HEAD



Oil Finish.

$\frac{5}{8}$ x9.....10	lbs. dozen	per dozen,	\$6.00
$\frac{3}{4}$ x9.....13½	" dozen	"	7.50
$\frac{7}{8}$ x9.....19½	" dozen	"	9.75

Fig. 38-B STONE CHISELS, MALLET HEAD



Oil Finish.

$\frac{5}{8}$ x9.....11	lbs. dozen	per dozen,	\$6.00
$\frac{3}{4}$ x9.....14	" dozen	"	7.50
$\frac{7}{8}$ x9.....20	" dozen	"	9.75

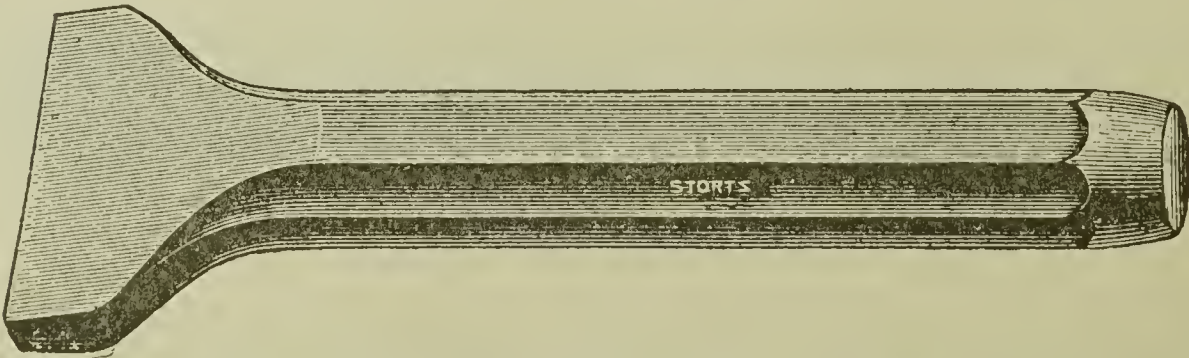
Fig. 38-C TOOTHED STONE CHISELS, MALLET HEAD



Oil Finish.

Give width of face or edge and size of steel.....per dozen,

Fig. 39 PITCHING TOOLS



Forged from Best Quality Tool Steel.

Oil Finish.

Give width of Cut and size of Steel.

Plain Head..... $\frac{3}{8}$ x2..... $\frac{1}{2}$ x2½ face.....	per dozen,	\$13.50
Mallet Head	"	16.00

Fig. 40

BRICK HAMMERS

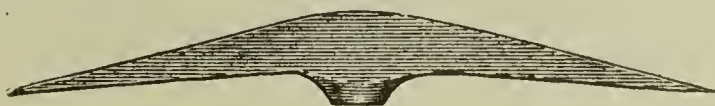


Forged from Extra Quality Tool Steel.

Square face, Handledper dozen, \$27.00

Fig. 41

DOUBLE EDGE BRICK SCUTCH

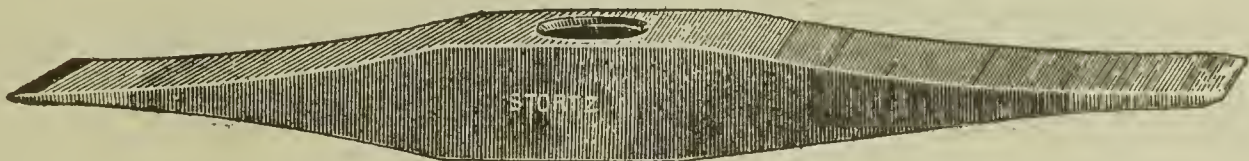


Forged from Best Tool Steel.

Scutch, or double edge, handled.....per dozen, \$27.00

Fig. 42

MILL PICKS

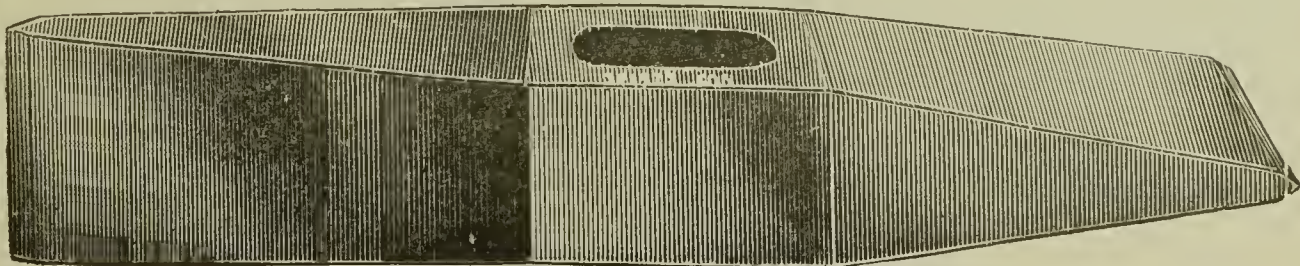


Forged from best quality Steel.

Oil Finish.....1½ to 3 lbs.....per pound, \$1.20

Fig. 43

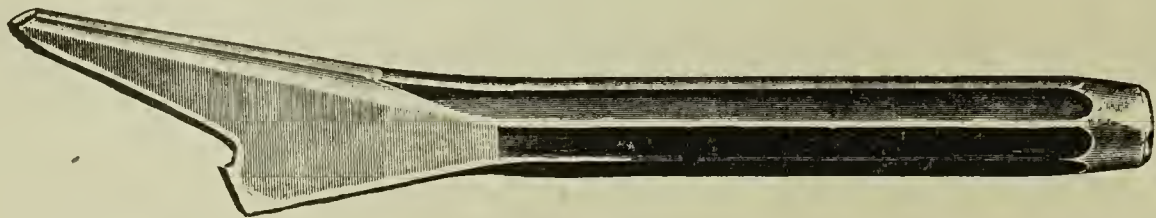
BOILER PICKS



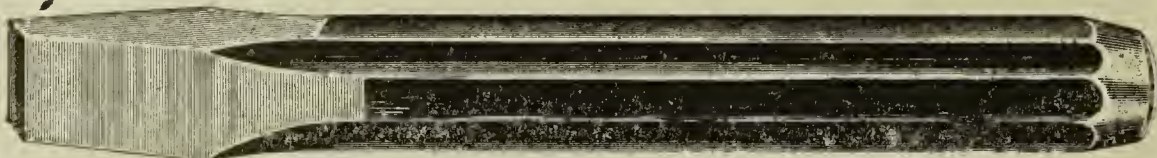
Forged from best quality Steel.

Oil Finish.....1 pound each.....per dozen, \$13.50

Fig. 44 BOILER MAKERS' CAULKING TOOLS



BOILER MAKERS' BEADING TOOL



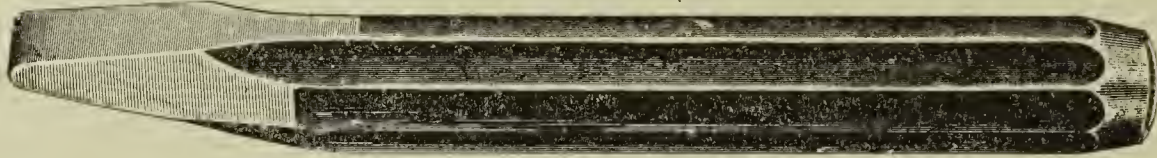
BOILER MAKERS STRAIGHT CALKING IRON—SQUARE END



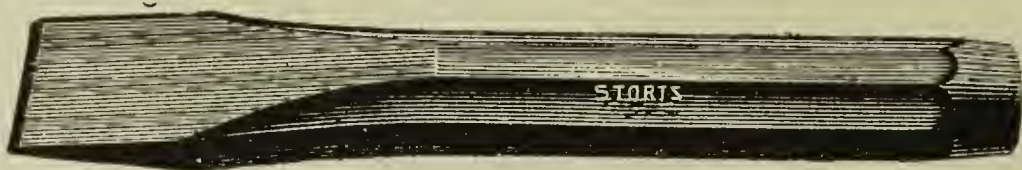
BOILER MAKERS STRAIGHT CALKING IRON—ROUNDED END



BOILER MAKERS BENT CALKING IRON—SQUARE END



BOILER MAKERS BENT CALKING IRON—ROUNDED END

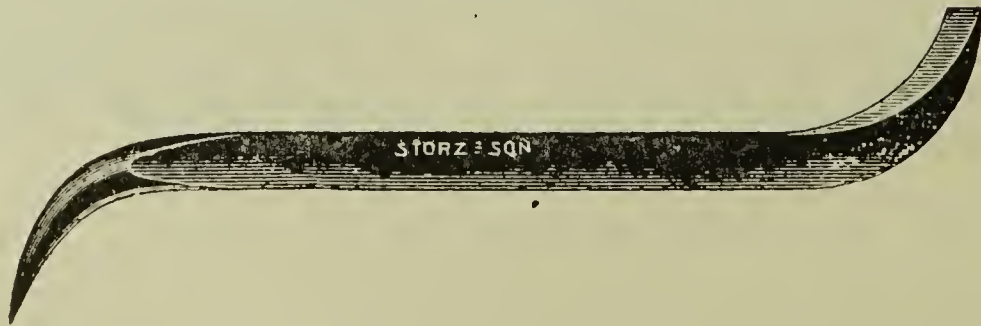


Boiler Makers' Cold Chisel

Natural Finish.

Beading Tool, 3/4 inch Steel, 8 inches long.....	Each	\$1.50
Beading Tool, 7/8 inch Steel, 8 inches long.....	"	1.65
	3/4"x7"	7/8"x7"
Bent square end.....	Each	\$0.75
Bent round end.....	"	.75
Straight square end.....	"	.75
Straight round end.....	"	.75
Cold Chisel	"	.75
1 Set 3/4 inch Steel (6).....	\$5.00	
1 Set 7/8 inch Steel (6).....	\$5.75	

Fig. 44-A COTTER PIN EXTRACTORS



6 inches long.....5/16 inch square steel.....per dozen, \$2.70

Fig. 44-C

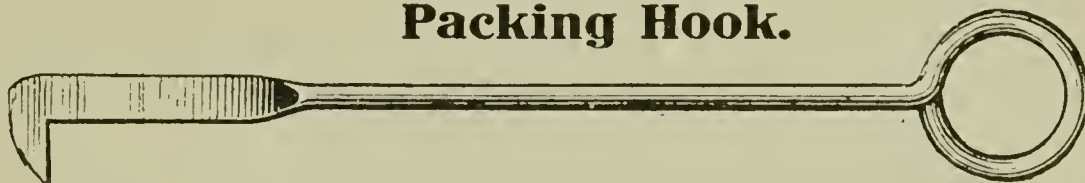
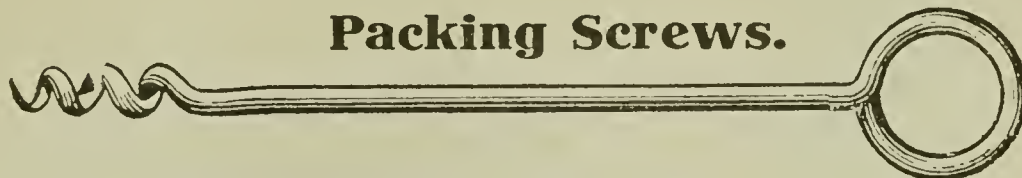
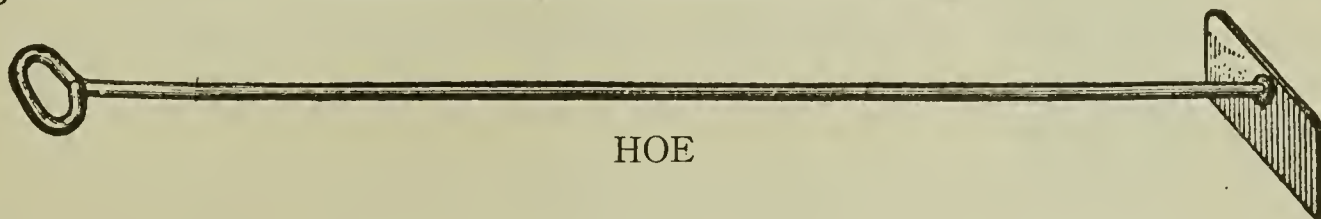
Packing Hook.

Fig. 44-B

Packing Screws.

Packing Hook	$\frac{1}{4}$ inch Steel, 10 inches long	.....per dozen,	\$3.00
Packing Screw	$\frac{1}{4}$ inch Steel, 12 inches long	....."	4.50

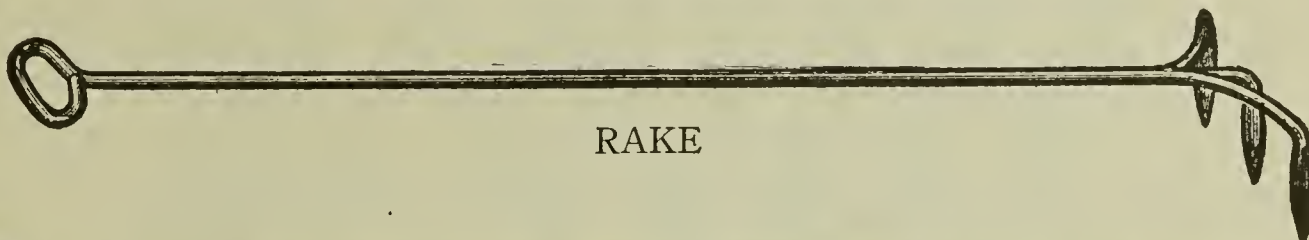
Fig. 45

ENGINEERS' FIRING TOOLS

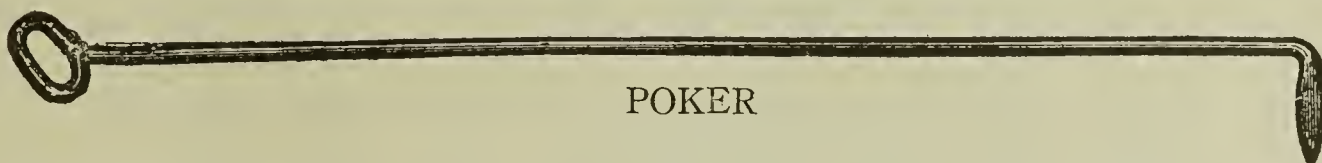
HOE



SLICE BAR



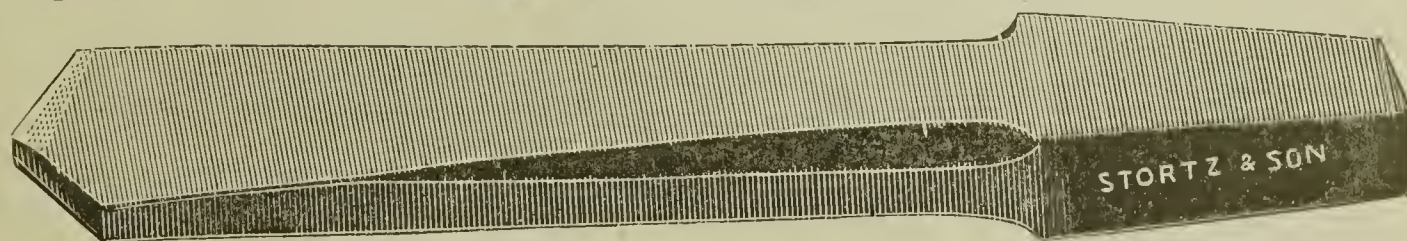
RAKE



POKER

Length, feet	.....	6	7	8	9	10	11	12
Size of Bar, inches	.....	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{7}{8}$	1	1
Hoe	.....Each	\$4.50	4.85	5.25	6.40	6.75	7.85	8.60
Slice Bar	....."	3.40	3.75	4.15	4.85	5.40	6.75	7.50
Rake	....."	4.85	5.25	5.65	6.75	7.20	8.25	9.00
Poker	....."	3.00	3.40	3.75	4.20	4.85	6.00	6.75

Fig. 46

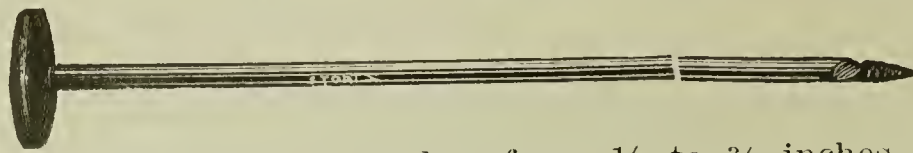
FLAT RATCHET DRILLS

With Tapered Square Shank, fitting all Ratchets with Square Sockets. These drills are made of the best English Steel. We offer them with confidence, knowing they will give entire satisfaction.

ALL 6 INCHES LONG

Size	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	2
Price each.....	.75	.75	.75	.90.	.90	1.10	1.10	1.20	1.20	1.40	.140
1 set (19 drills)	$\frac{3}{8}$ inch to	$1\frac{1}{2} \times \frac{1}{16}$	.....per set								\$13.00
1 set (10 drills)	$\frac{3}{8}$ inch to	$1\frac{1}{2} \times \frac{1}{8}$	.....“								10.00

**BELL HANGERS,' PLUMBERS' AND ELECTRICIANS'
Fig. 47
HAND GIMLETS**



Made in all sizes, regular, from $\frac{1}{4}$ to $\frac{3}{8}$ inches.

	Made in all sizes, regular, from $\frac{1}{4}$ to $\frac{3}{8}$ inches.			
Length	15 in.	18 in.	24 in.	30 in.
Per dozen	\$6.00	7.50	9.00	12.00

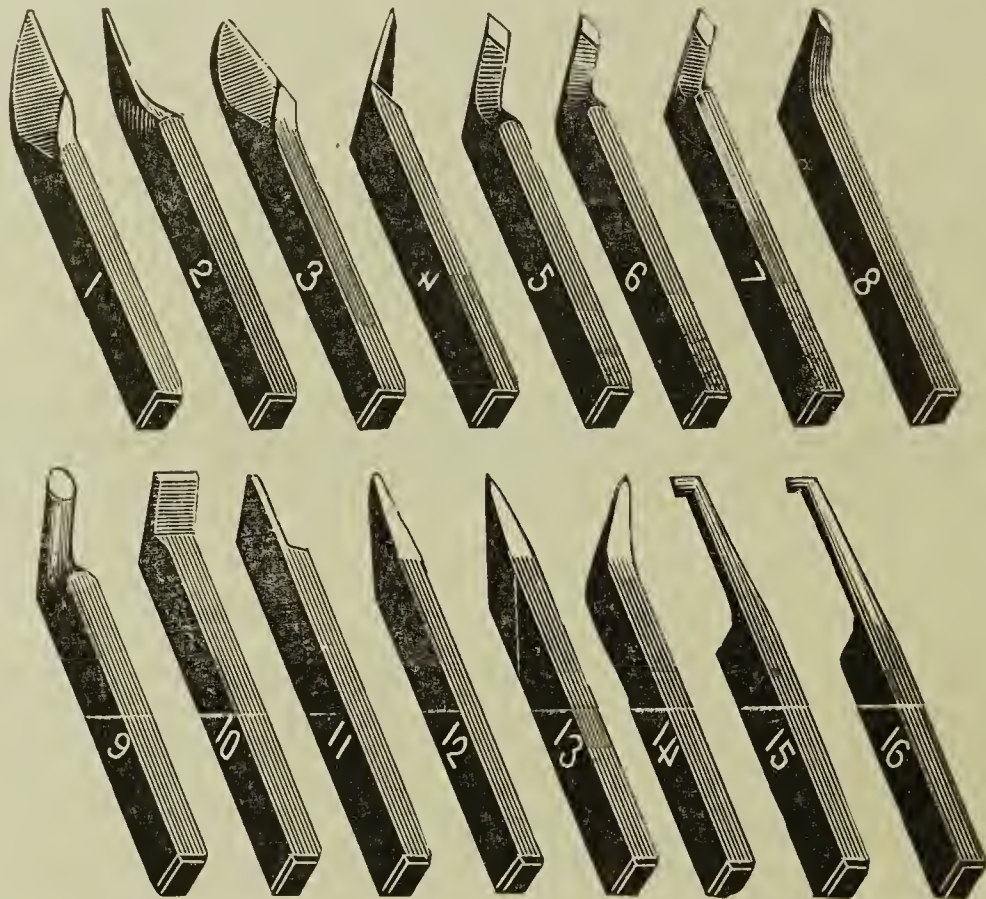
Fig. 48 **BRACE BITS**



Made same as hand Gimlets. State size of Bore wanted.

Length	15 in.	18 in.	24 in.	30 in.
Per dozen	\$6.00	7.50	9.00	12.00

Fig. 50 **LATHE TOOLS**
FORGED FROM BEST TOOL STEEL

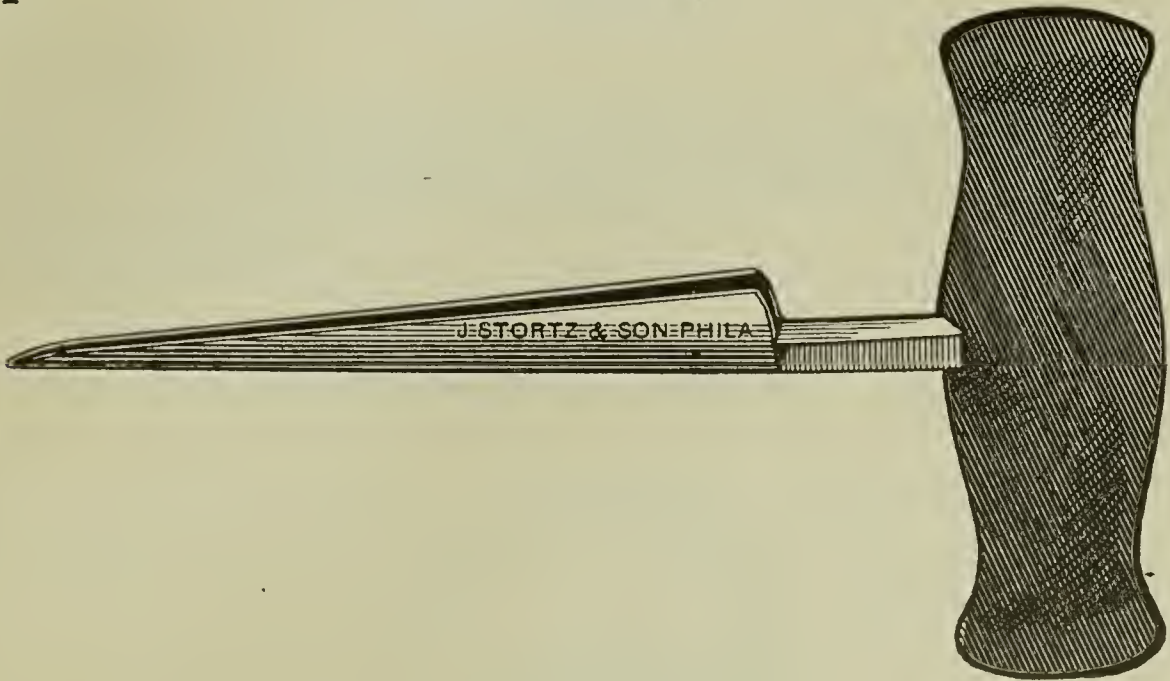


- | | |
|---|---------------------------|
| 1.—Left Side Tool. | 8.—Half Diamond Point. |
| 2.—Right Side Tool. | 9.—Round Nose. |
| 3.—Left Side Tool, bent. | 10.—Water Finishing Tool. |
| 4.—Right Side Tool, bent. | 11.—Cutting-off Tool. |
| 5.—Heavy Diamond Point for Cast Iron. | 12.—Roughing Tool. |
| 6.—Diamond Point for Steel and Wrought
Iron, right hand. | 13.—Thread Tool. |
| 7.—Diamond Point for Steel and Wrought
Iron, left hand. | 14.—Bent Thread Tool. |
| | 15.—Inside Turning Tool. |
| | 16.—Inside Thread Tool. |

1/4 x 1/2 inch Steel, 4 inches long	.....	Each	\$0.45
3/8 x 3/4 inch Steel, 6 inches long	.....	“	.60
1/2 x 1 inch Steel, 8 1/2 inches long	.....	“	.90
5/8 x 1 1/4 inch Steel, 9 1/2 inches long	.....	“	1.35

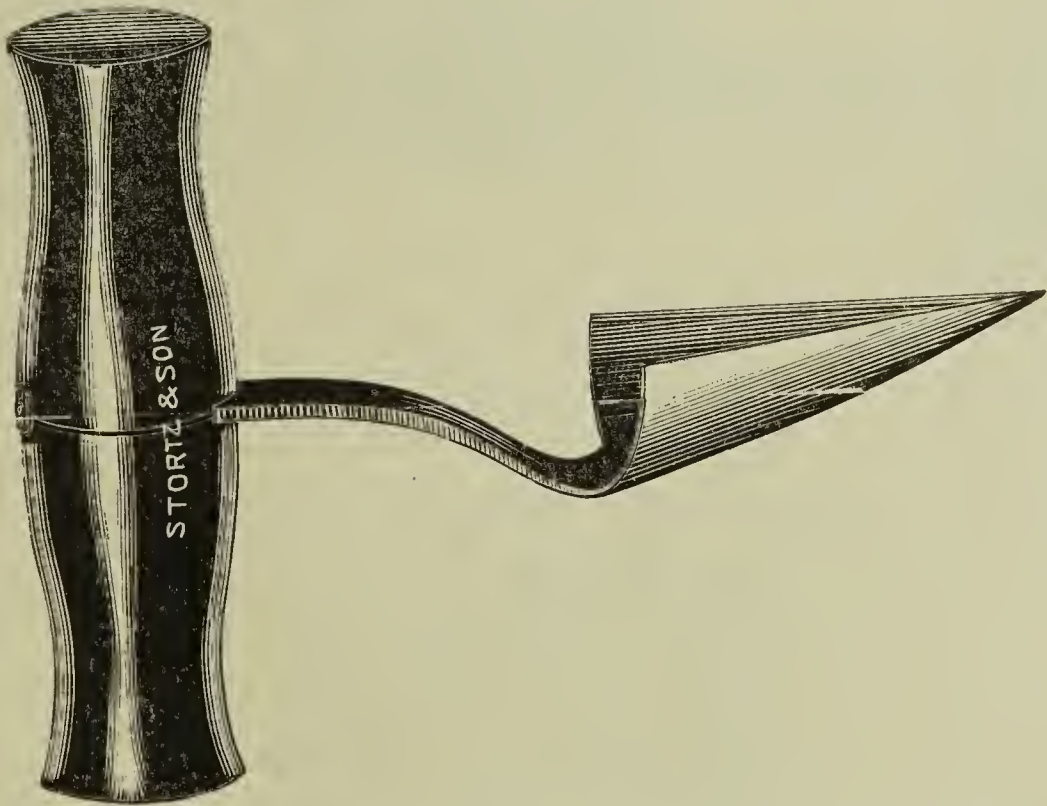
Fig. 51

TAP BORERS



Philadelphia Pattern. Polished Red Handles.....per dozen, \$6.40

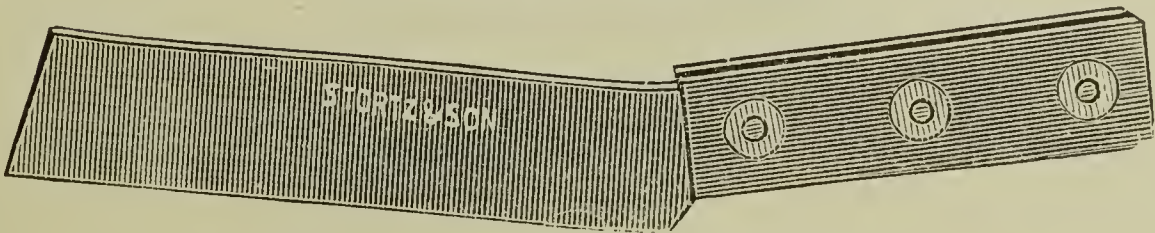
Fig. 52



New York Pattern. Polished Red Handles.....per dozen \$6.40

Fig. 53

CHIPPING KNIVES

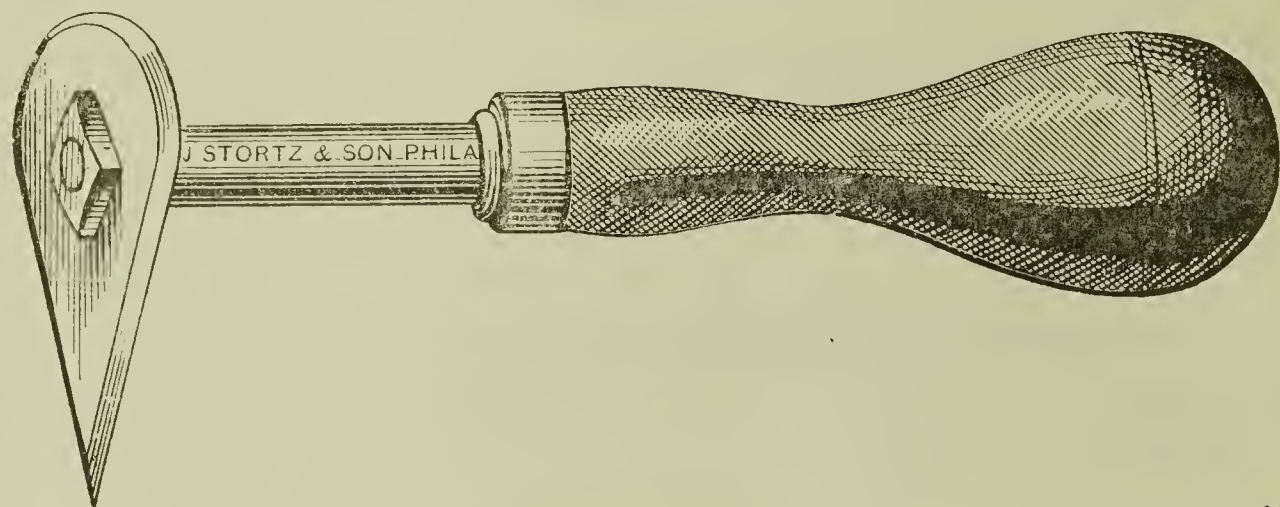


Forged from Extra Quality Steel

Blades 4½ inches to 5½ inches long.....per dozen, \$10.50

Fig. 54

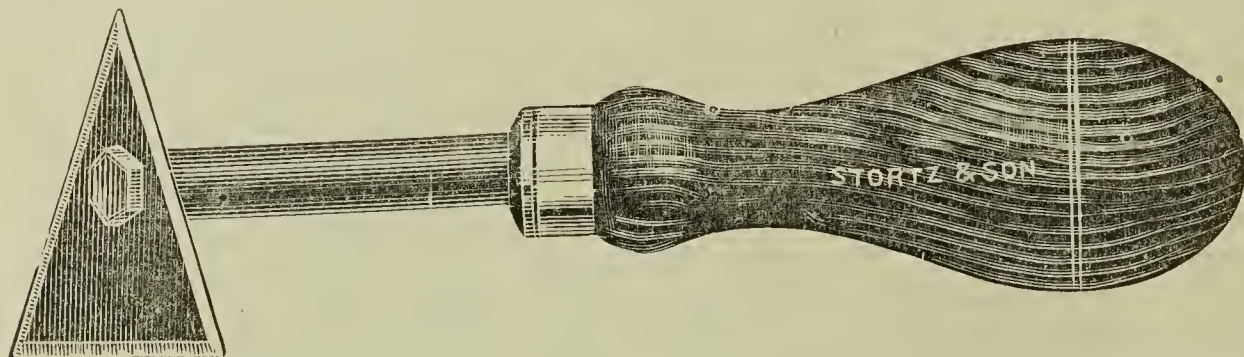
SHAVE HOOKS



No. a.—Oval Blades	per dozen,	\$5.40
No. b.—Half Oval Blades.....	“	5.40

Fig. 55

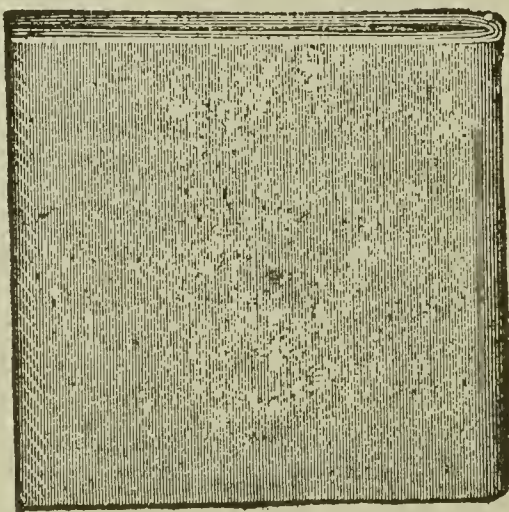
SHAVE HOOKS



No. a.—Triangle Blades.....	per dozen,	\$5.40
Extra Blades, any style	“	3.35

Fig. 56

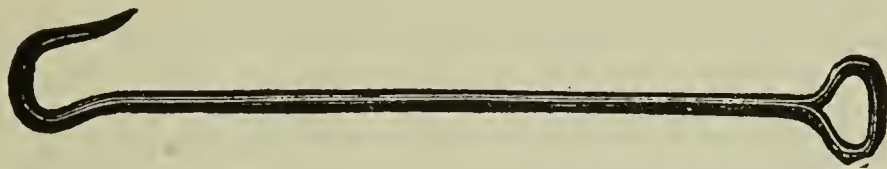
PLUMBERS' WIPING CLOTH



Mole Skin.				
Sizes	2½x2½	3x3	3½x3½	4x4
Price	\$3.00	3.50	4.00	4.50
Ticking.				
Sizes	2½x2½	3x3	3½x3½	4x4
Price	\$1.50	2.00	2.50	3.00

Fig. 57

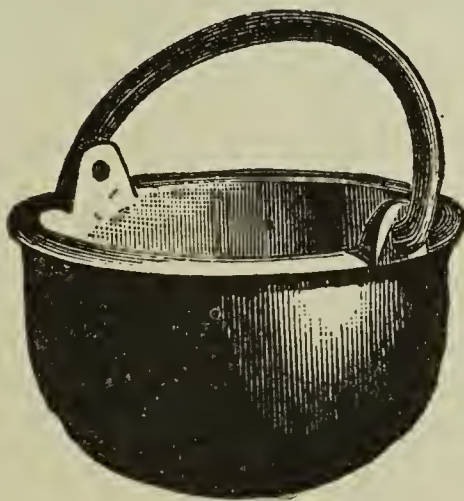
POT HOOKS



Pot Hooks, $\frac{3}{8}$ in. round Steel, 10 in. long.....per dozen, \$4.50

Fig. 58

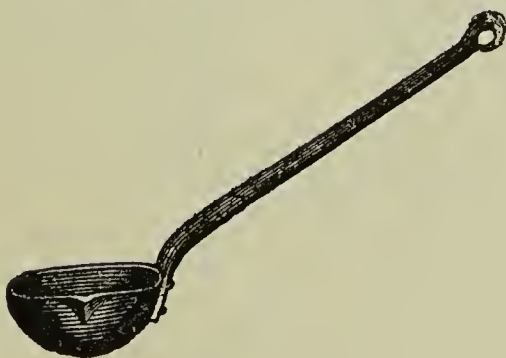
SOLDER POTS



Diameter on Top.....	5 in.	6 in.	6½ in.	8 in.	9 in.	10½ in.
Price	\$0.75	.90	1.50	1.65	1.80	2.25

Fig. 59

PLUMBERS' LADLES



No. 72.—Single Lip of Wrought Iron, with RIVETED HANDLE.

Sizes, inches	2½	3	3½	4	5	6
Per dozen	\$4.00	4.75	5.25	6.00	7.50	9.00

Fig. 60

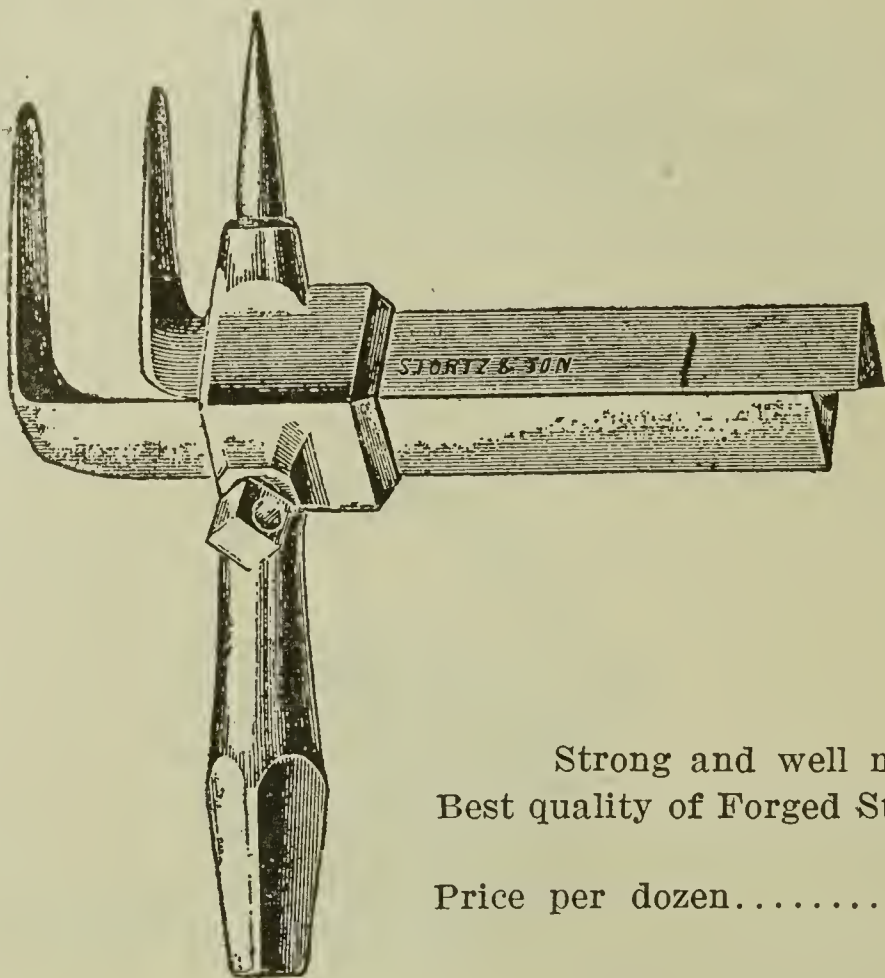


No. 73.—Double Lip, of Wrought Iron, SOLID FORGED, Extra Deep.

Sizes, inches	2½	3	3½	4	5	6
Per dozen	\$5.75	6.25	7.50	9.00	12.00	14.00

Fig. 61

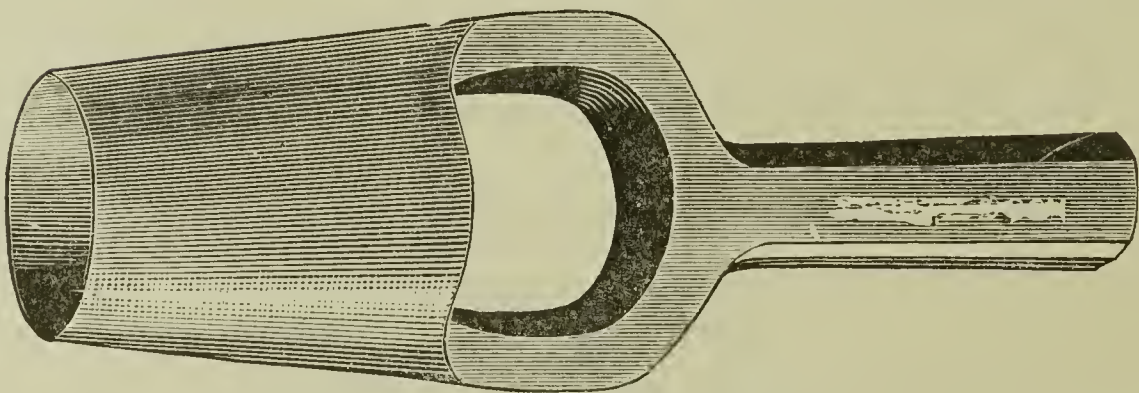
WASHER CUTTERS



Strong and well made.
Best quality of Forged Steel Cutters
Price per dozen.....\$14.50

Fig. 62

LARGE ROUND PUNCHES



Inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per dozen	\$15.00	16.50	18.00	19.50	21.00
Inch	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	2
Each	\$2.75	3.25	3.75	4.00	5.00

Larger Sizes to Order.

Fig. 63

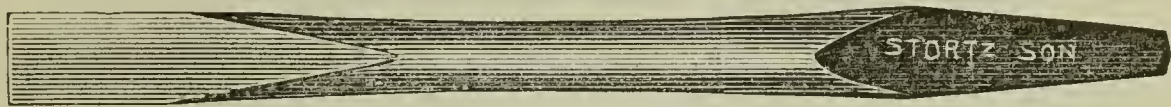
ROUND IRONS



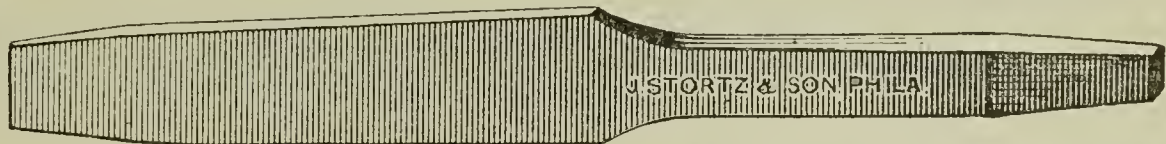
No. 1	Each	\$2.10
No. 2	"	2.10

Fig. 64**SCREW DRIVER BITS**

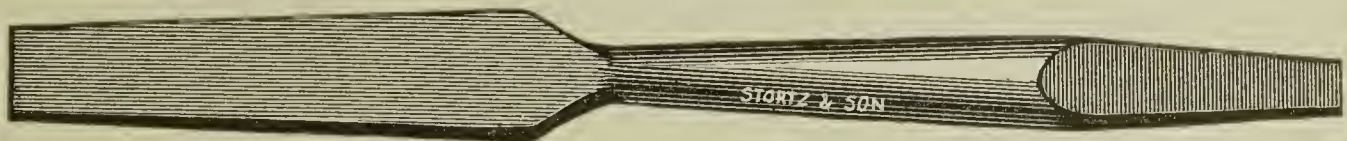
Forged from Best Quality Steel; Fully Warranted.



- No. 1.—Round, length 5 inches; $\frac{3}{8}$ inch blade.....per dozen, \$2.40
 No. 2.—Round, length 8 inches; $\frac{3}{8}$ inch blade..... “ 3.25

Fig. 65

- No. 3.—Square Shank; Hand Forged; 5 inches long.....per dozen, \$2.70
 No. 6.—Square Shank; Heavy; 6 inches long..... “ 3.50

Fig. 66

- No. 4.—Round Shanks; 5 inches long; $\frac{3}{8}$ inch blade.....per dozen, \$2.70
 No. 5.—Round Shanks; 6 inches long; $\frac{1}{2}$ inch blade; Heavy.. “ 3.50

Fig. 67 FLAT COUNTERSINK BITS OR BRACE DRILLS

- Per dozen, all sizes..... \$4.50

Fig. 68**SCRATCH AWLS**

- Scratch Awls, Ring End, Hardened Points.....per dozen, \$2.00

Fig. 69**MACHINISTS' SCRATCH AWL**

- Double Pointed, Hardened Points.....per dozen, \$2.00

Fig. 70**HANDLED SCRATCH AWLS**

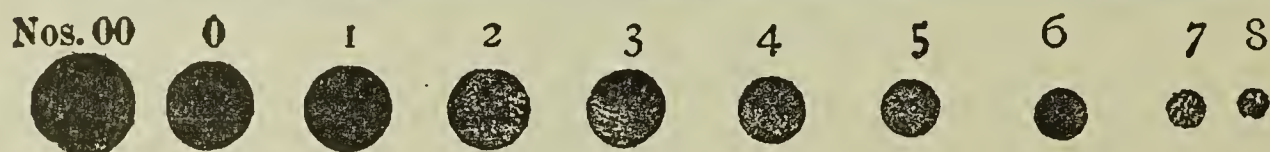
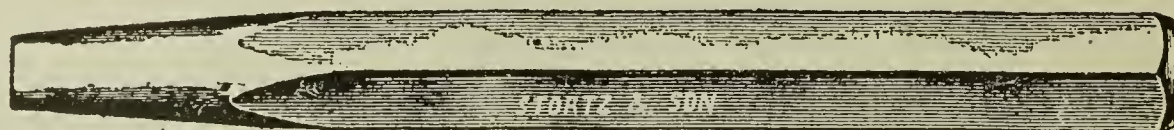
- Steel Blades, $2\frac{1}{2}$ inches long; Hardened Points.....per dozen, \$2.40

Fig. 71

TINNERS' PRICK PUNCHES

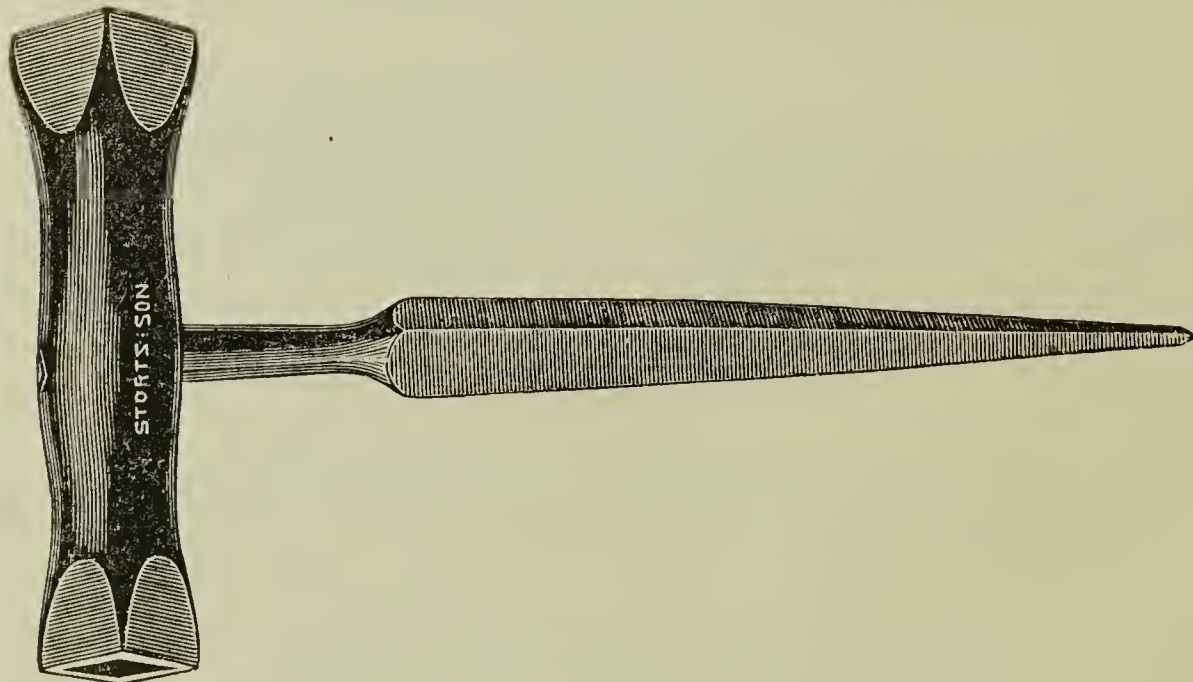
Square Steel, $\frac{3}{8}$ inch, Regular Pattern.....per dozen, \$2.25
 Octagon Steel " 2.25

Fig. 72

TINNERS' SOLID PUNCHES

No.	00	0	1	2	3	4	5	6	7	8
For Rivets	14	12	10-8	7-6	5-4	3-2 $\frac{1}{2}$	2-1 $\frac{3}{4}$	1 $\frac{1}{2}$ -1 $\frac{1}{4}$	11	10-8 oz.
Price per dozen										\$2.50
Price per dozen, assorted.....										2.50

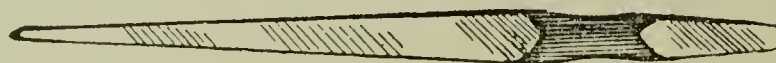
Fig. 73

SOCKET 'T' REAMERS AND WRENCH

Socket Handle will turn nuts for $\frac{1}{4}$ and $\frac{5}{16}$ Stove Bolts; a most convenient and serviceable tool; saves time and extra tools.

Forged Steelper dozen, \$12.00

Fig. 74

REAMER BITS

Square Shank, Best Quality, small, $\frac{3}{8}$ inch Steel.....per dozen, \$3.75
 Square Shank, Best Quality, large, $\frac{1}{2}$ inch Steel..... " 5.25

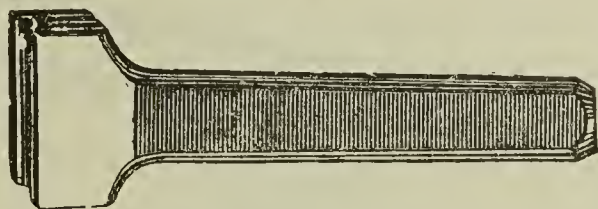
Fig. 75 **TINNERS' HOLLOW PUNCHES**



Our Punches are all Forged from Best Materials.

All sizes to and including 1¾ inch diameter.....	per inch	\$1.80
All sizes above 1¾ inch diameter.....	"	2.25

Fig. 76 **GROOVING TOOLS**

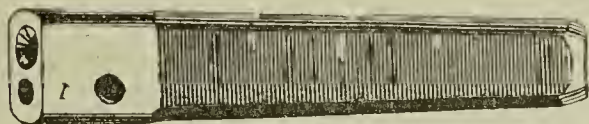


Hand Forged from Best Quality Tool Steel.

No.	00	0	1	2	3	4	5	6
Grooves, inches.....	½	7/16	¾	5/8	¼	7/32	3/8	5/32
Price each.....	\$1.80	1.80	1.65	1.65	1.25	1.25	1.00	1.00

Fig. 77 **RIVET SETS**

Hand forged Crucible Steel.



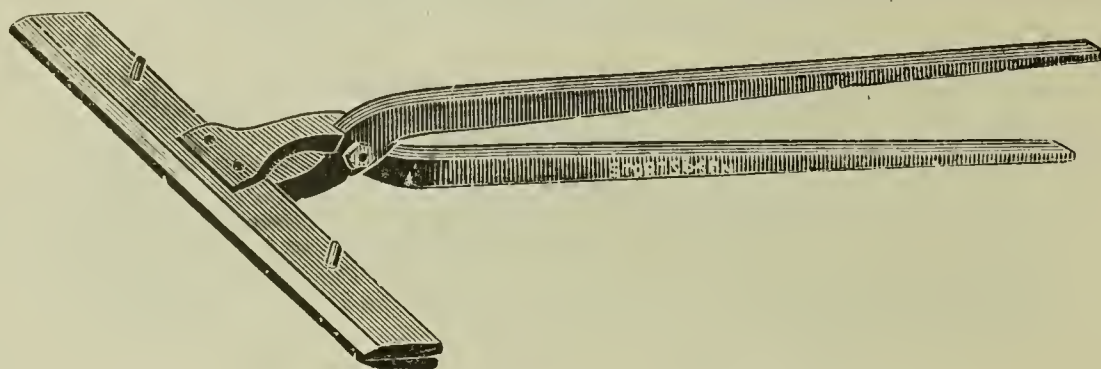
No.	000	00	0	1	2	3	4	5	6
For Iron Rivets.....	¾"	14 lb.	12 lb.	8 lb.	6 lb.	4 lb.	2½ lb.	2 lb.	1½ lb.
Price each.....	\$1.25	1.00	1.00	.85	.85	.65	.65	.50	.50

Fig. 78 **TINNERS' ROOFING SCRAPERS**



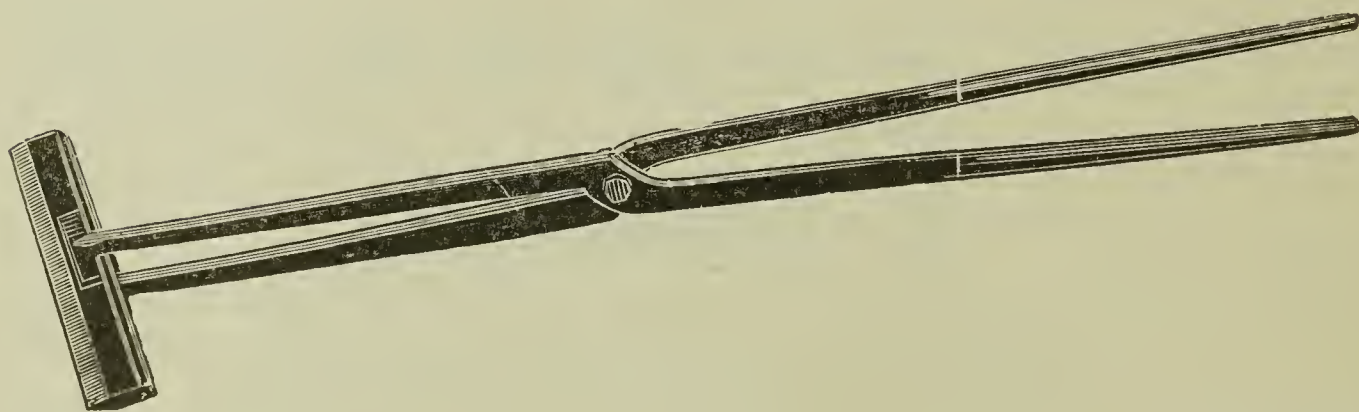
Forged from Best Quality Steel; Tempered and Fully Warranted.

8 inch	per dozen,	\$5.40
10 inch	"	6.00

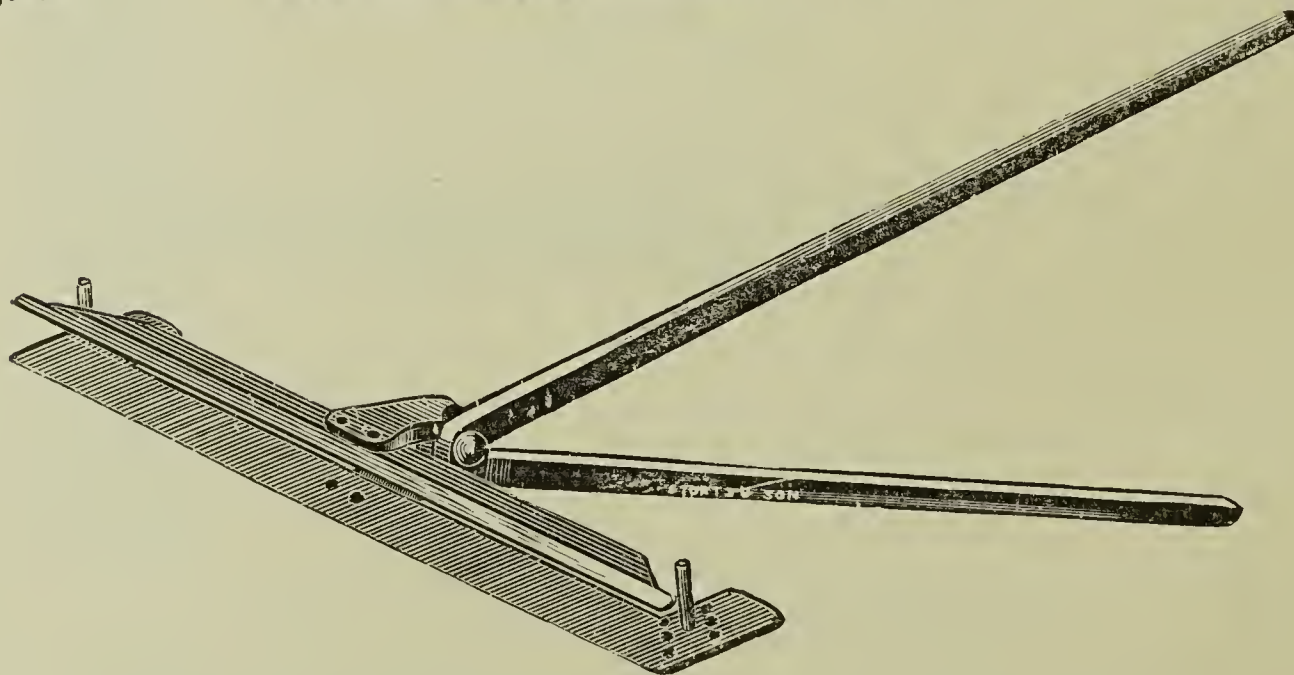
Fig. 79**ROOFING TONGS**

All Steel. Quality Guaranteed.

$\frac{1}{2}$ in., $\frac{3}{4}$ in., 1 in., $1\frac{1}{4}$ in., $1\frac{1}{2}$ in., $1\frac{3}{4}$ in. and 2 in.....Each \$5.75

Fig. 80**GUTTER TONGS**

12 inch ThroatEach \$5.40
 14 inch Throat " 5.40

Fig. 81**ADJUSTABLE ROOFING TONGS**

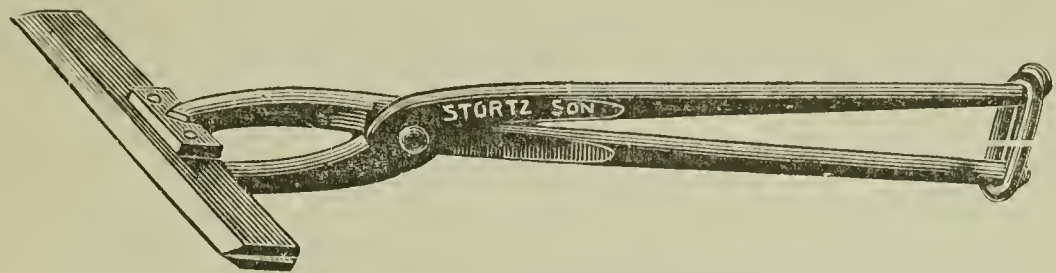
One pair of tongs will fold edges of $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inches.

These tongs deserve to be better known than what they are. They will do the work of six regular tongs, while the price is only a trifle higher than an ordinary one. The adjustment is made by removing pin shown on each side of the tongs, screwing them into proper hole, corresponding with the size of standing Roof Seam desired.

PriceEach, \$7.00

Fig. 82

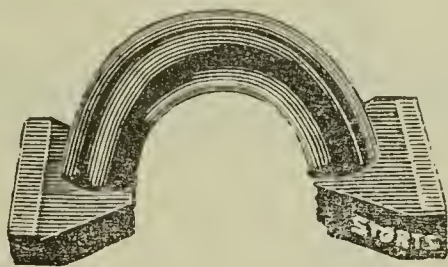
CLAMP TONG



12 inches total length	price, each.	\$4.00
14 inches " "	"	4.00
16 inches " "	"	4.00
18 inches " "	"	4.00

Fig. 83

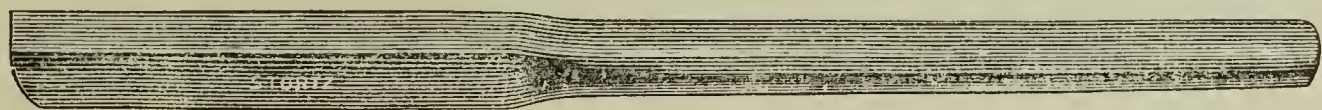
ROOFING DOUBLE SEAMER



Size.....	$\frac{3}{4}$ in. x 1 in.	1 in. x $1\frac{1}{4}$ in.	$1\frac{1}{4}$ in. x $1\frac{1}{2}$ in.
Roofing Double Seamer, to match Tongs.....	each, \$1.80		

Fig. 84

SOLID MANDRELS



No. a.—Light;	Ground and Polished;	weight, about 40 pounds
No. b.—Medium;	" " "	55 pounds
No. c.—Heavy;	" " "	65 pounds

Price on Application.

Fig. 84 $\frac{1}{2}$

HOLLOW MANDRELS



No. 0.—Hollow Mandrel, 3 feet entire length, 3 in. diameter.
No. 00.—Hollow Mandrel, 3 feet 4 in. entire length, 4 in. diameter.

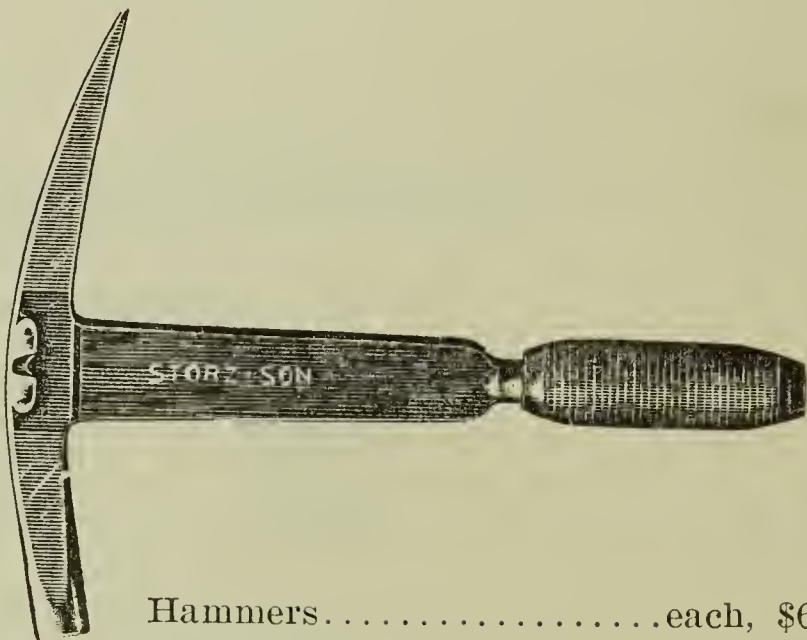
Price on Application.

SLATE ROOFERS' TOOLS

We manufacture the finest Slaters' Tools in the country. The Hammers are forged from one solid piece of steel, finely polished and tempered. We have been for many years and are still the only firm that manufactures Slaters' Tools in large quantities. All others who make them are blacksmiths, who forge a few, no two alike in shape or quality, which are sometimes sold at a low price, but are dear at any price. We produce the only first-class tools in the market.

SLATERS' HAMMERS

Fig. 85



Hammers.....each, \$6.00

Fig. 86

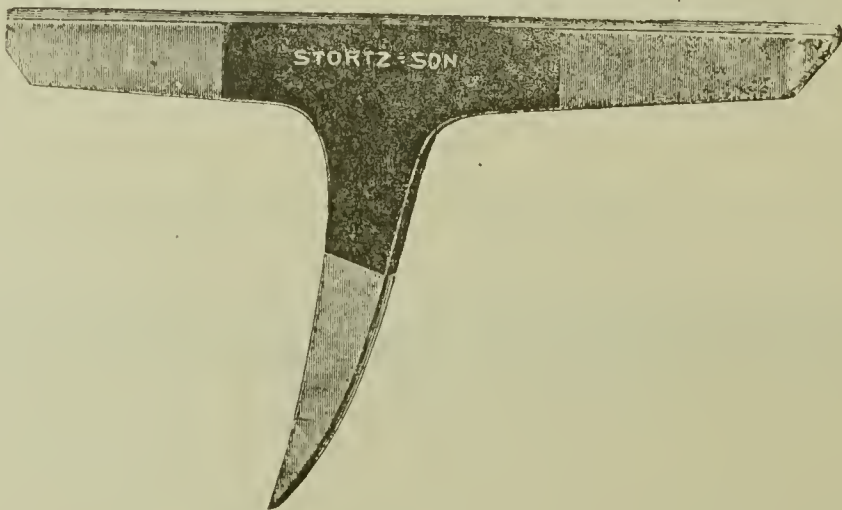
SLATERS' RIPPERS



Ripperseach, \$3.75

Fig. 87

SLATERS' STAKES



Stakeseach, \$2.10

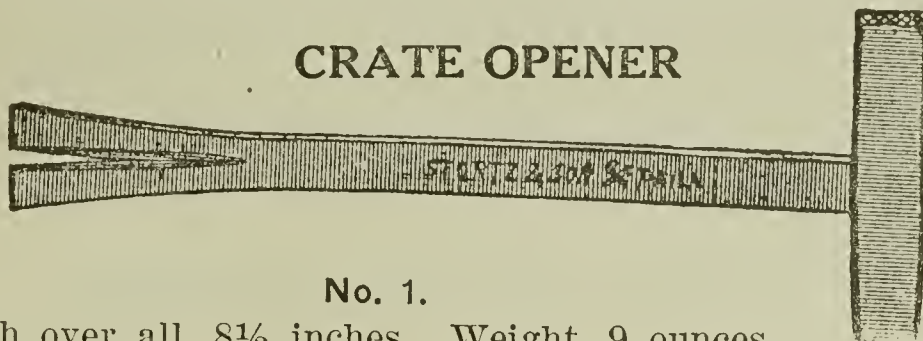
PRODUCE AND FRUIT DEALERS' CRATE HAMMERS

We call the attention of the trade to this line, which will be found to fill the demand for a practical, light and strong tool, to open small crates, boxes, etc., and can be readily carried in the pocket.

Forged of High Grade Tool Steel and Finely Finished.

Fig. 88

CRATE OPENER



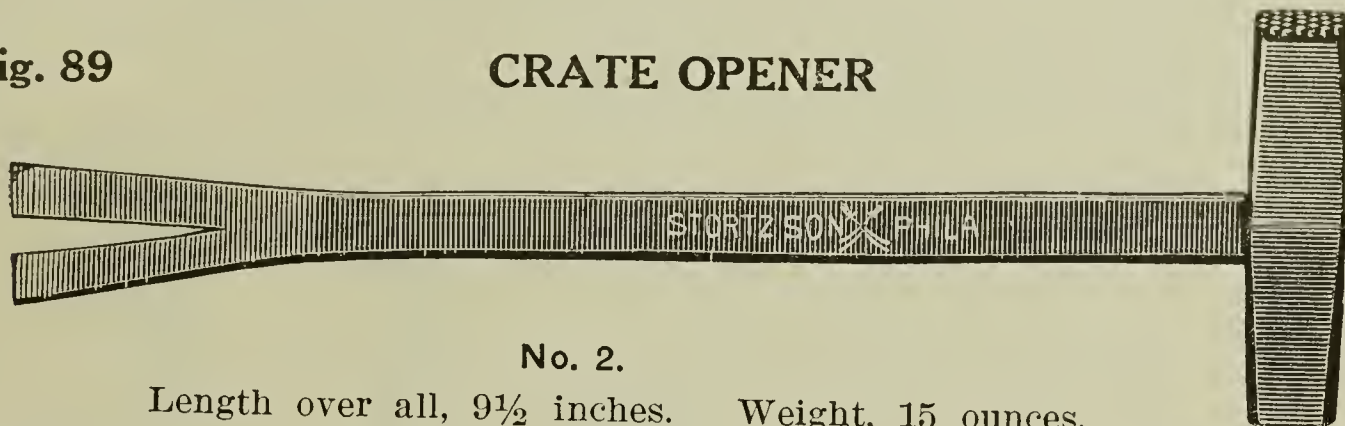
No. 1.

Length over all, 8½ inches. Weight, 9 ounces.

Black	per dozen,	\$6.00
Full Polished	"	7.50
Nickeled	"	9.00

Fig. 89

CRATE OPENER



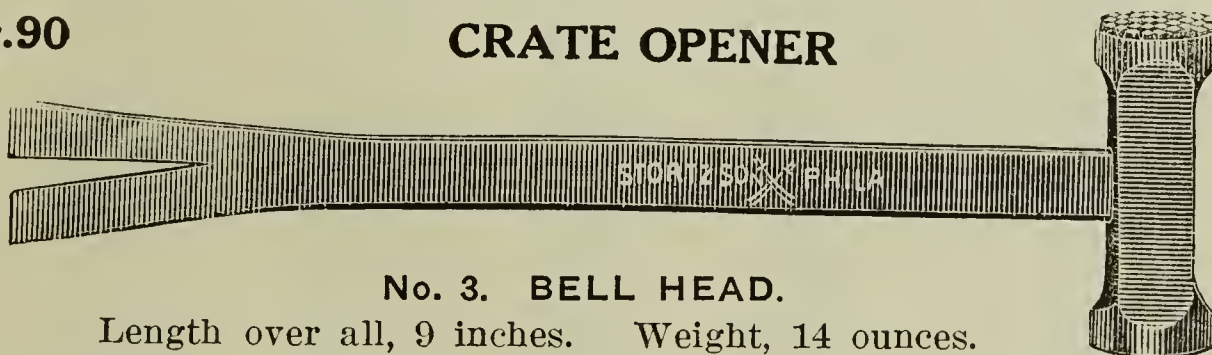
No. 2.

Length over all, 9½ inches. Weight, 15 ounces.

Black	per dozen,	\$6.75
Full Polished	"	9.00
Nickel-plated	"	10.20

Fig. 90

CRATE OPENER



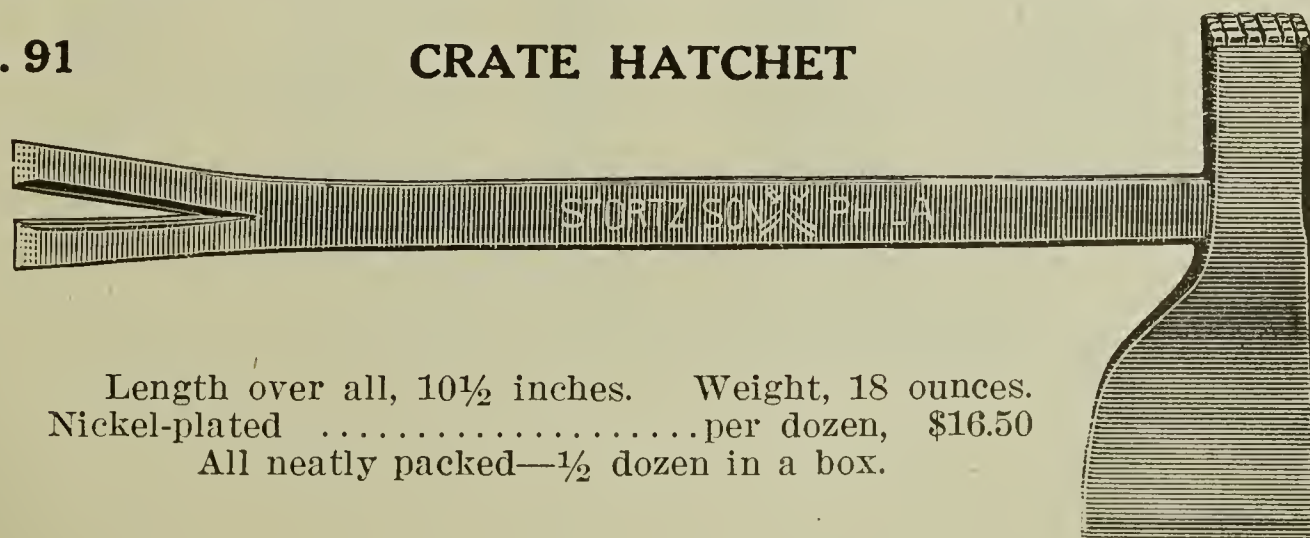
No. 3. BELL HEAD.

Length over all, 9 inches. Weight, 14 ounces.

Nickel-plated	per dozen,	\$12.75
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Fig. 91

CRATE HATCHET



Length over all, 10½ inches. Weight, 18 ounces.

Nickel-platedper dozen, \$16.50

All neatly packed—½ dozen in a box.

CAULKING AND SHIP TOOLS

CAULKING IRONS

Hand Forged Best Tough Steel Specially Made for the Purpose

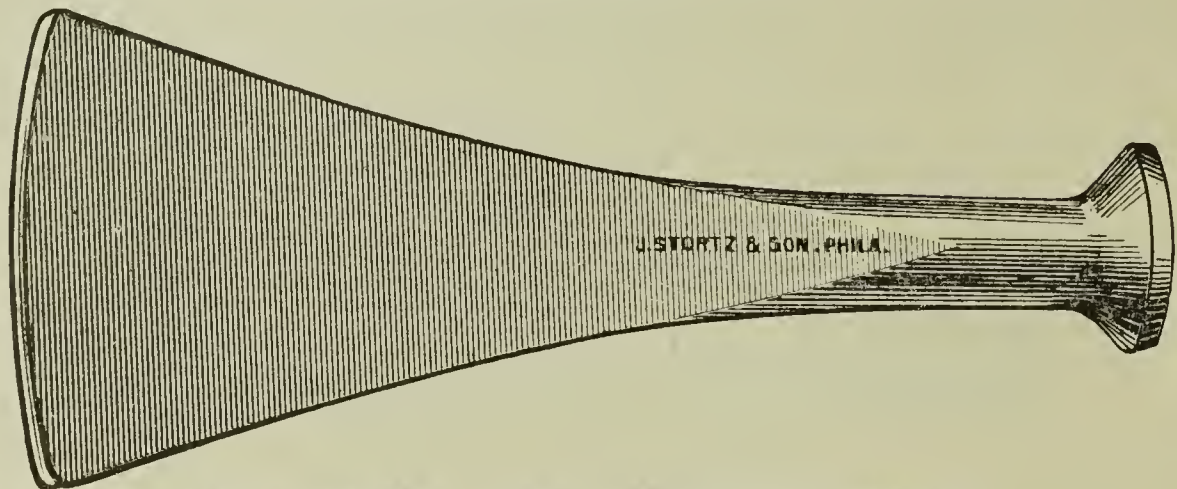
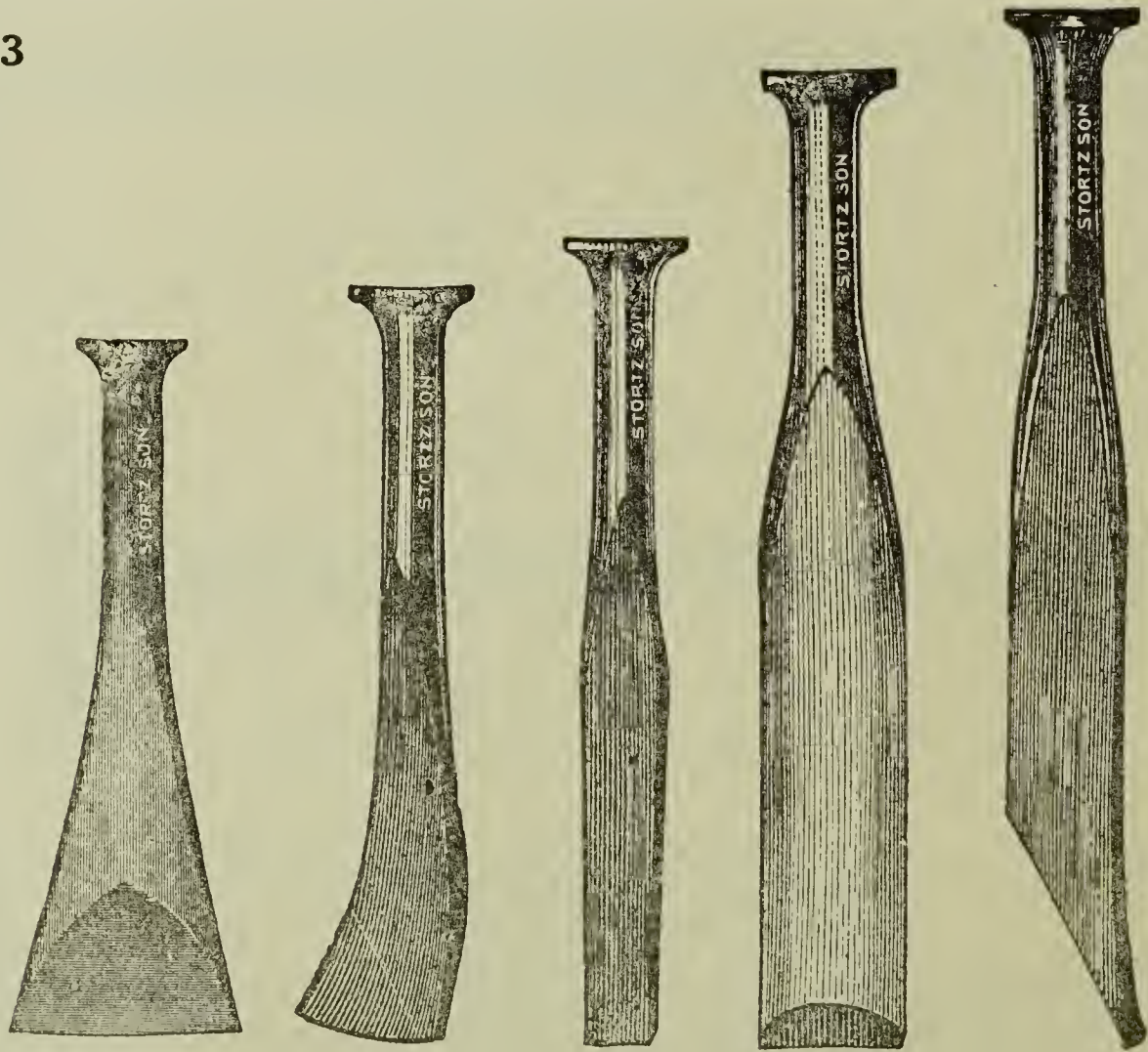


Fig. 92 CAULKING AND MAKING IRONS

No. 1.—Caulking Irons, no crease; $\frac{1}{16}$ inch thick.....	per dozen,	\$18.00
No. 2.—Caulking Irons, no crease; $\frac{1}{8}$ inch thick.....	"	18.00
No. 3.—Caulking Irons, no crease; $\frac{3}{16}$ inch thick.....	"	18.00
No. 4.—Caulking Irons, no crease; $\frac{1}{4}$ inch thick.....	"	18.00
No. 1.—Making Irons, creased; $\frac{1}{16}$ inch thick.....	"	18.00
No. 2.—Making Irons, creased; $\frac{1}{8}$ inch thick.....	"	18.00
No. 3.—Making Irons, creased; $\frac{3}{16}$ inch thick.....	"	18.00
No. 4.—Making Irons, creased; $\frac{1}{4}$ inch thick.....	"	18.00

Fig. 93



Deck or Dumb Iron.	Crooked or Bent Iron.	Spike Iron.	Sharp or Butt Iron.	Clearing or Reefing Iron.
Deck or Dumb Iron.....				per dozen, \$18.00
Crooked or Bent Iron, No Crease.....				" 18.00
Crooked or Bent Iron, Creased.....				" 18.00
Spike Iron				" 18.00
Sharp or Butt Iron.....				" 18.00
Clearing or Reefing Iron				" 18.00

Fig.94

MARLIN SPIKES

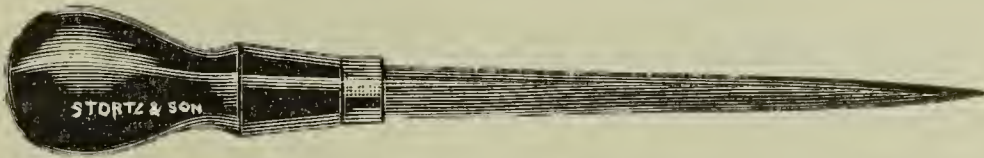
Tempered Steel.



Full Polished. Price on application.

Fig. 95

SAILMAKERS' PEGGERS OR BODKINS



Best Tool Steel. Hardwood Handles.

No. 1.— 8 inches long	per dozen,	\$7.50
No. 2.—10 inches long	"	9.00
Flat, Diamond or Round Points.		

Fig. 96

SAILMAKERS' PRICKERS OR TRAWLS

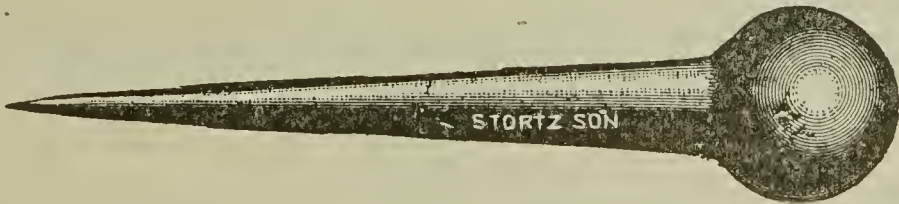


BEST TOOL STEEL. HIGHLY POLISHED HARDWOOD HANDLES.

No. 1.—4 inches long	per dozen,	\$4.50
No. 2.—4½ inches long	"	5.00
No. 3.—5½ inches long	"	5.50

Fig. 97

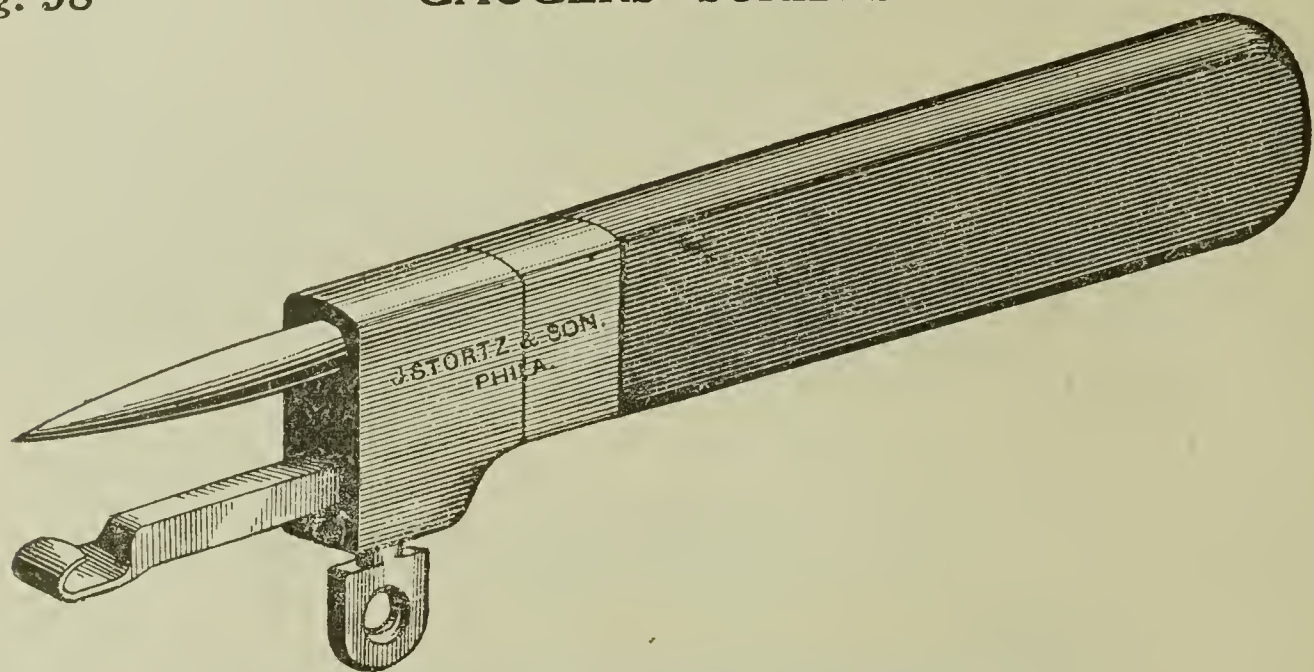
SAILMAKERS' STEEL BALL HEAD PRICKERS



No. 1.—Length, 4 inches	per dozen,	\$6.00
No. 2.—Length, 5 inches	"	7.00
No. 3.—Length, 7 inches	"	8.00

Fig. 98

GAUGERS' SCRIBES

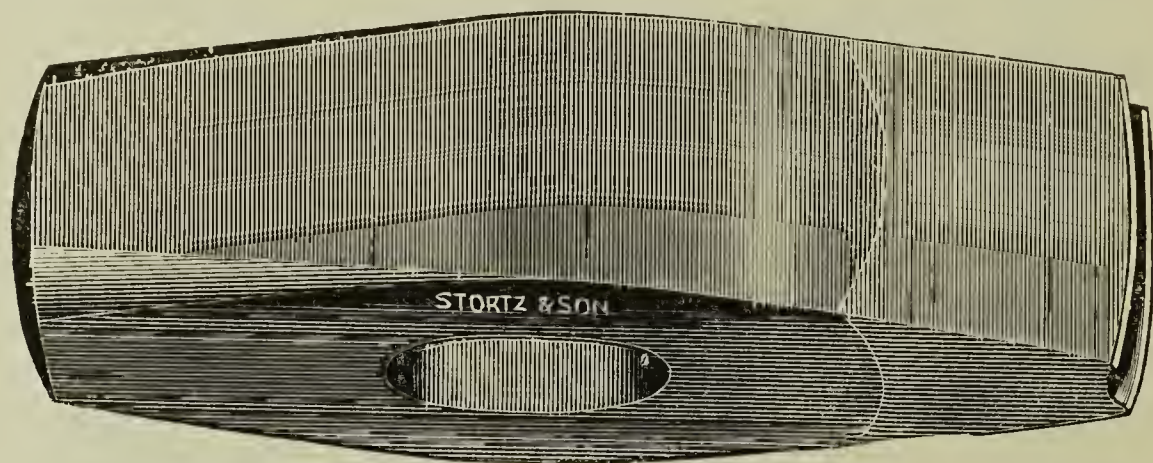


STANDARD U. S. CUSTOM HOUSE PATTERN.

Steel Top and Ferrule Riveted in Rosewood Handles.....	per dozen,	\$40.50
Blades only	"	6.00

Fig. 99

PHILADELPHIA PATTERN

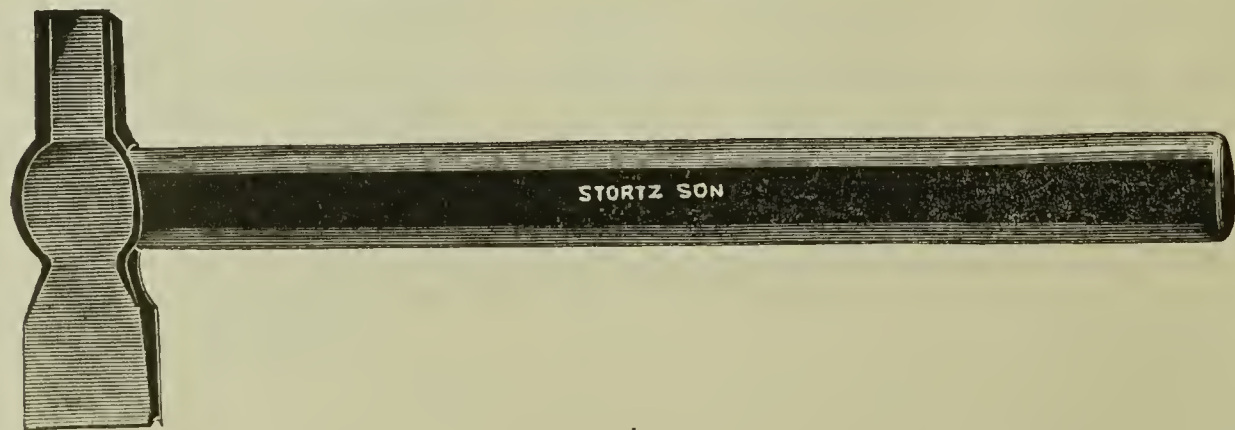


BEST CAST STEEL.

No. 1.—Light Weight, 16 ounces	per dozen,	\$20.25
No. 2—Heavy Weight, 24 ounces	"	22.50
No. 3.—Heavy Weight, 32 ounces	"	25.00
With Handles, advance list.....	"	4.50

Fig. 100

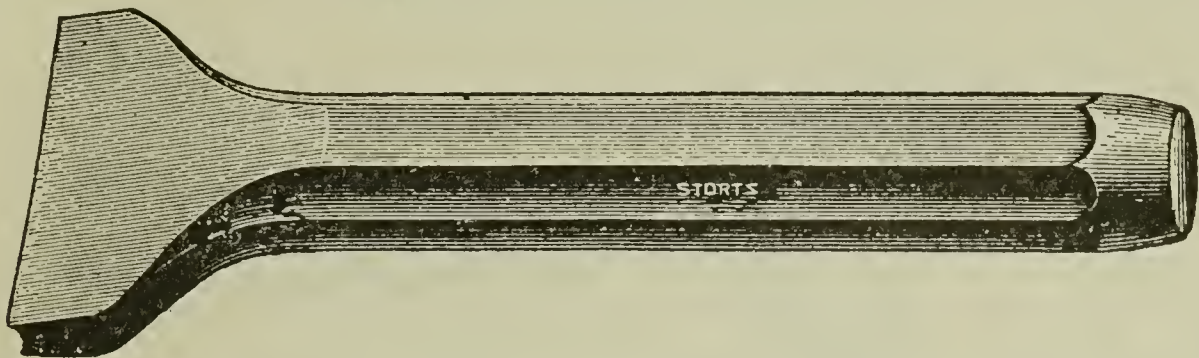
NANTUCKET PATTERN



Without Handles	per dozen,	\$22.50
With Handles	"	27.00

Fig. 101

ALL STEEL DRIVERS



Per Dozen

\$16.00

Fig. 102

BARREL HEAD RAISER



The handiest Tool made for raising the heads of barrels without breaking.

Length 12 inchesper dozen, \$7.50

Fig. 103

FLAGGING IRONS



All Steel

pere dozen, \$3.50

COOPERS' WORM PUNCHES

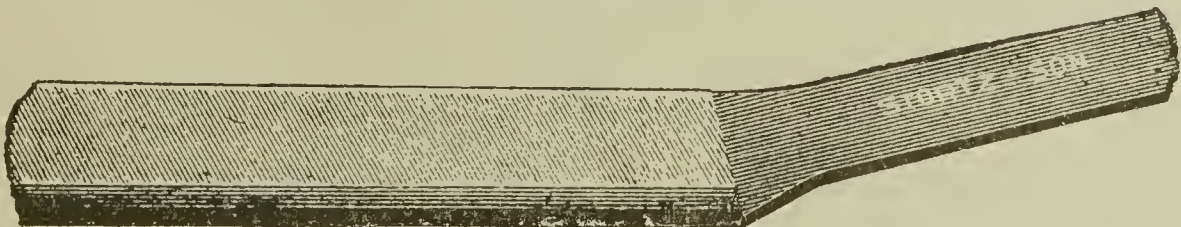
Per dozen

\$2.70

SPECIAL COOPERS' TOOLS MADE TO ORDER.

Fig. 103½

COOPERS' CHIME MAULS

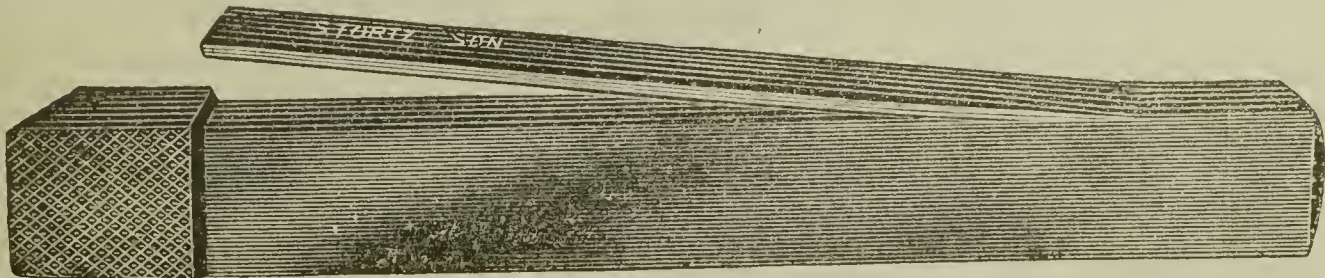


No. 1.—About 9 poundseach, \$2.25

No. 2.—About 13 pounds “ 2.60

Fig. 104

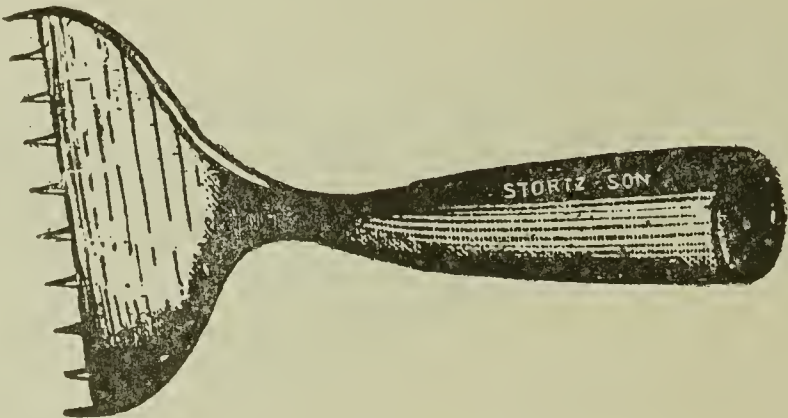
BENCH DOGS



Cabinet Makers' Steel Springs.....per pair, \$2.25

Fig. 105

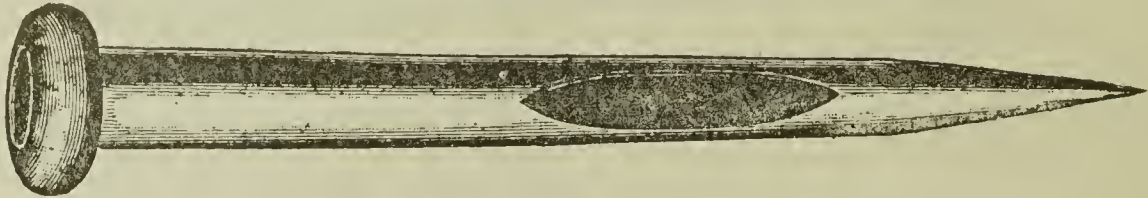
CARPET STRETCHERS



Screw Socket; strong, well made and full polish.....per dozen, \$6.00

Fig. 106

COFFEE TESTER

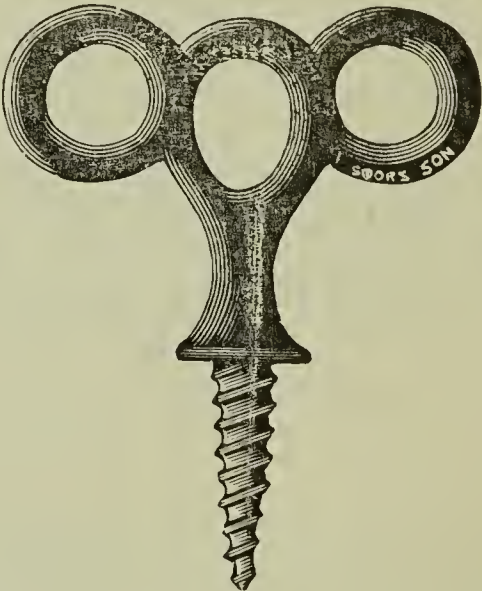


Made of Tool Steel, with Solid Points and Brass Top.
9 inch 12 inch

Highly Polished	per dozen,	.....	.....
Nickeled .....	“	.....	.....

Fig. 107

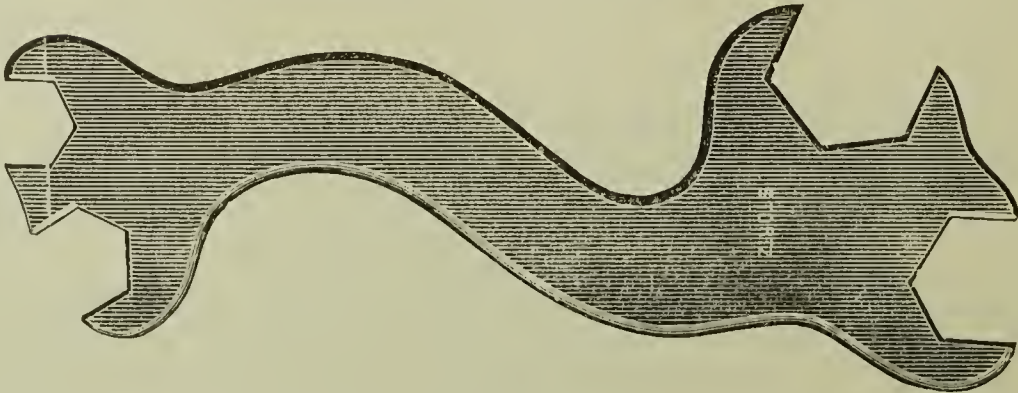
STAGE SCREWS



Double Cut Gimlet Points.....Per dozen

Fig. 108

COMBINATION WRENCH



Takes Hexagon or Square Nuts, $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{5}{8}$ in. and $\frac{3}{4}$ in.
Drop Forgedper dozen \$3.75

ICE TONGS

All our Patterns of Ice Tongs, whether for hoisting, lowering, or hand use, are made of steel, causing them to be very light and stiff.

We present all the styles most extensively used. It would be difficult to carry in stock every particular shape which is used in restricted localities; and we therefore classify the varieties of styles as broadly as possible, holding ourselves ready to make any special patterns to order.

Delivery Tongs, as we make them, are the very best models which experience can produce, and their quality cannot be excelled. All sizes and shapes required by those who must have the best only.

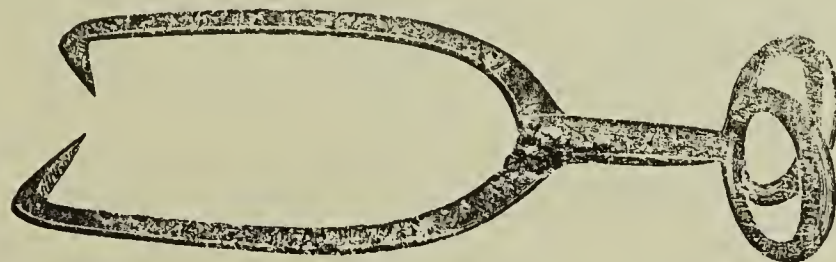
Prices are based on their quality and cost. Our Tongs cannot be compared with the cheap ones ordinarily sold.

The Span of our Tongs is indicated in inches when they are open as wide as possible.

KNICKERBOCKER'S APPROVED PATTERNS

Fig. 109

PHILADELPHIA PATTERN

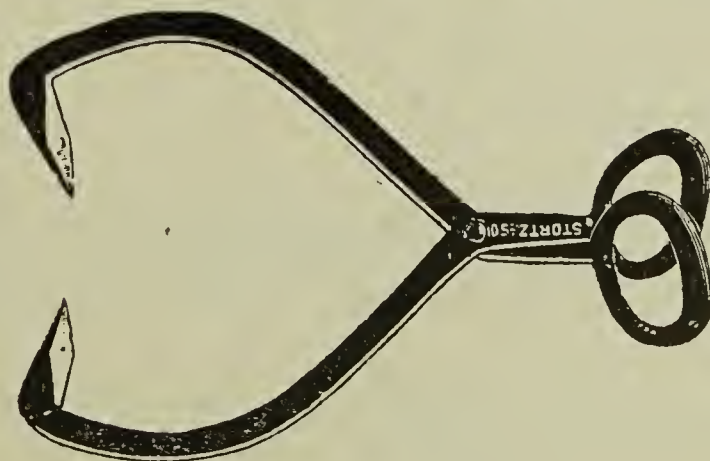


All Steel; Tempered Points; Welded Handles.

No. 1.—Span, 14 inches; weight about $2\frac{1}{4}$ lbs.	per dozen	\$30.00
No. 2.—Span, 17 inches; weight about $2\frac{3}{4}$ lbs.	"	31.50
No. 3.—Span, 21 inches; weight about $3\frac{1}{4}$ lbs.	"	33.00
No. 4.—Span, 23 inches; weight about $4\frac{1}{4}$ lbs.	"	39.00

Fig. 110

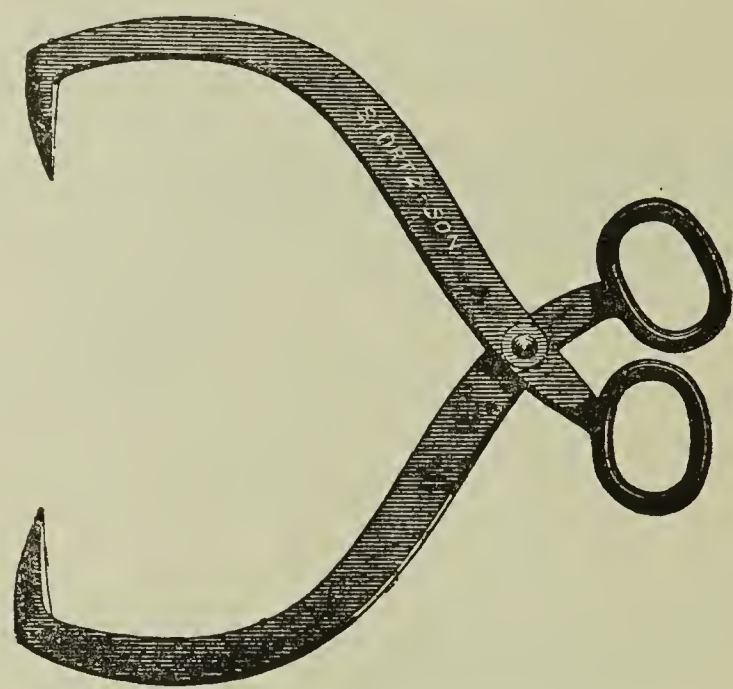
BOSTON AND NEW YORK PATTERN



No. 1.—Span, 14 inches; weight about 3 lbs.	per dozen	\$30.00
No. 2.—Span, 17 inches; weight about $3\frac{3}{4}$ lbs.	"	31.50
No. 3.—Span, 21 inches; weight about $4\frac{1}{2}$ lbs.	"	33.00
No. 4.—Span, 23 inches; weight about 5 lbs.	"	39.00

Fig. 112

ARCTIC ICE TONGS



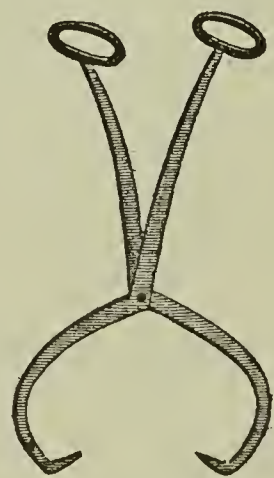
PLAIN WROUGHT IRON HANDLES.

This is a strong forged Tong, but of cheaper construction, and will meet the demand of ordinary consumers and general Hardware trade.

No. 1.—Span, 14 inches	per dozen,	\$26.00
No. 2.—Span, 17 inches	“	28.00
No. 3.—Span, 21 inches	“	30.00

Fig. 113

DRAG OR STOWING TONGS



No. 191.—Weight about 7 lbs.	price, each,	\$7.00
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Fig. 114

LOWERING TONGS



No. 192.—Weight about 6 lbs.	price, each	\$6.00
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CHAIN HOISTING TONGS

Fig. 115

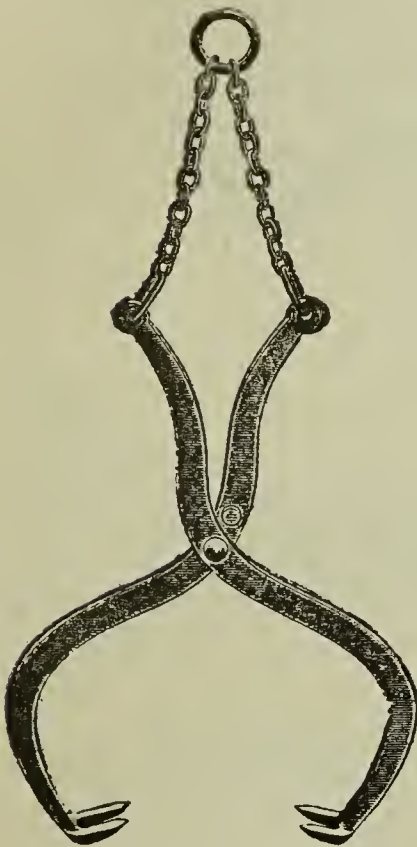


Fig. 116

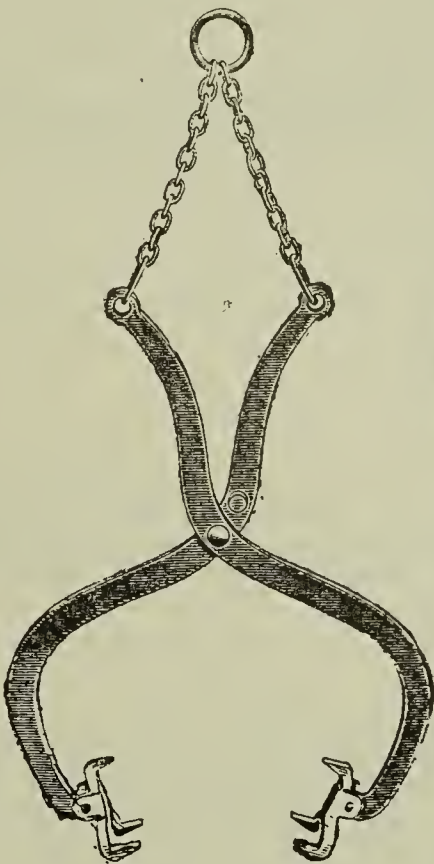
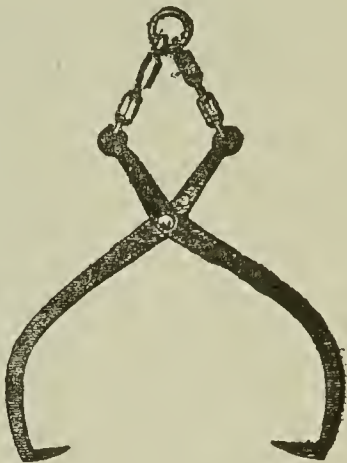


Fig 117



No. 193.—Double Points; weight about 18 lbs.	price, each	\$13.50
No. 194.—Clamp Points; weight about 22 lbs.	"	13.50
No. 195.—Short Chain Single Points; weight about 8 lbs. ..	"	7.50

Fig. 118

ICE HATCHETS



BEST QUALITY FORGED STEEL

A good quality tool throughout.
Best Quality Forged Steel.

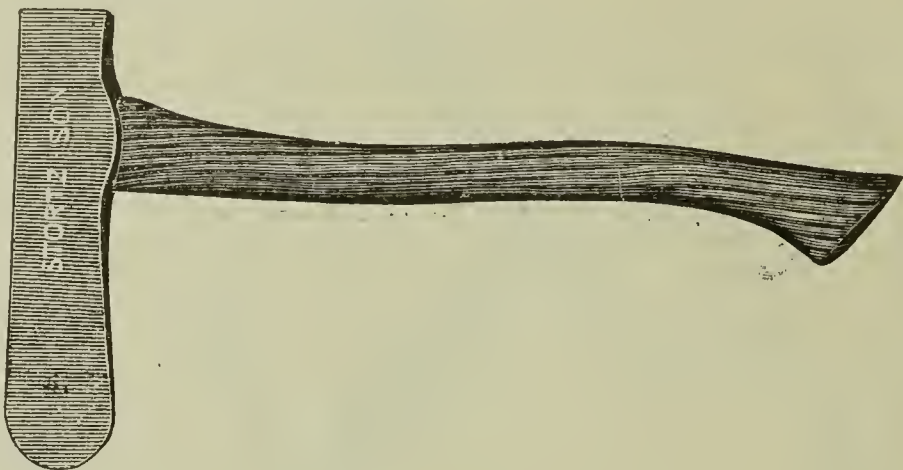
No. 1.—18 inch handleper dozen, \$18.00

Fig. 120

ICE AXE

Square Pole. Philadelphia Pattern

Best Quality Forged Steel.

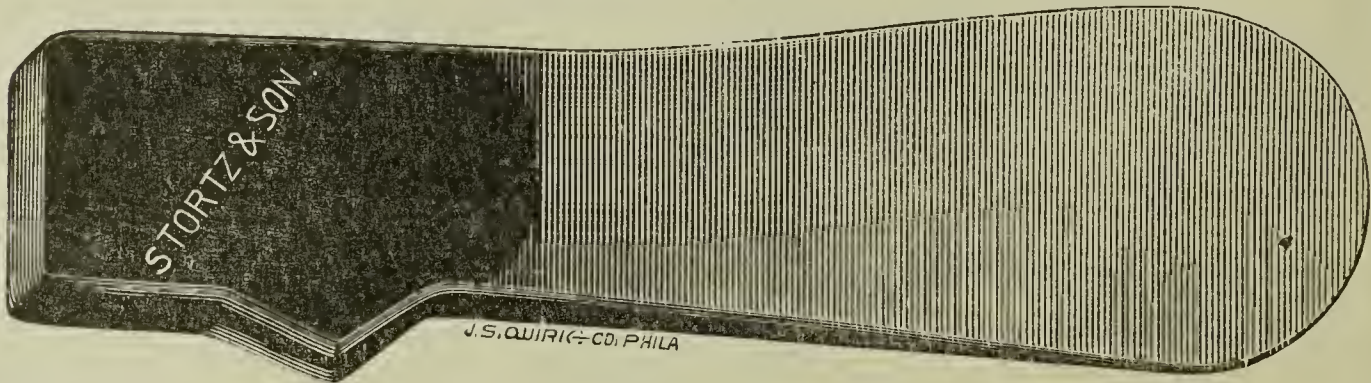


This is a solid Steel Axe, and a very serviceable Tool for general use.

No. 0.—Length of Axe, 8½ in., weight 1¾ lbs., Handle 18 in. per dozen, \$21.00

Fig. 121

ICE AXES



Best Quality Forged Steel; Knickerbocker Pattern.

This is an A1 Tool, suitable for Icemen, Butchers, Milkmen, etc.

No. 1.—Length of Axe, 9 in., weight, 2½ lbs., handles 21 in. per dozen, \$25.50

No. 2.—Length of Axe, 12 in., weight, 4 lbs., handles 24 in. “ 30.00

Fig. 122

HOOKED POLE ICE AXE



Weight, 4½ lbs., Handle, 30 inches, Blade, 3 inches wide.

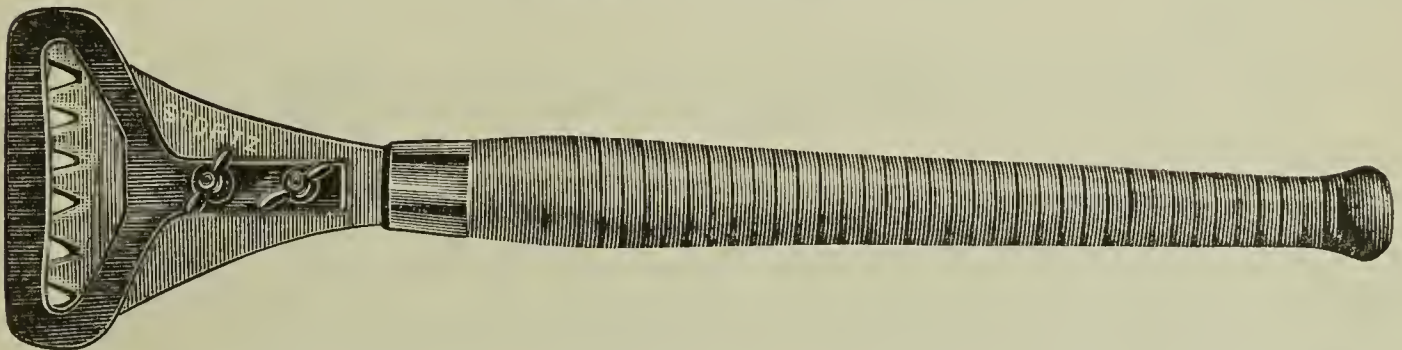
No. 3.—Price per dozen \$36.00

Fig. 123**ICE BREAKERS**

These Ice Breakers are extra strong and well made Tools, and are used for coarser work than the Ice Shavers. Most Handy Tool for Icemen and Fish Dealers' use.



Weight, 12 lbs., with 4 foot handleeach, \$2.40

Fig. 124**ICE CHISEL, WITH GAUGE****Baltimore Pattern**

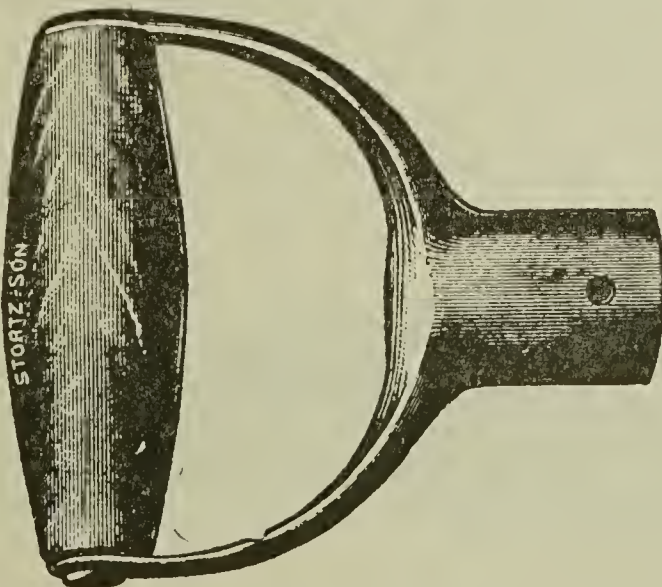
This is a particularly strong tool; Heavy Hand Forged Blade, with Adjustable Gauge or Guard, and is made of the very best materials throughout.

Blade 6 inches long, 6 inches wide; handle, 18 inches....per dozen, \$31.50

Fig. 125**LONG HANDLE ICE CHISEL****New York Pattern**

18 inches long; Maple Handle.

Forged Steel Bladesper dozen, \$7.50

Fig. 126**MALLEABLE IRON 'D' HANDLES****WITH WOOD GRIP.**

For Farming Tools, Etc.; Length 4¾ in.; Inside Width 4 in;

Weight per dozen about 8 lbs.....\$3.00

Fig. 127**'D' HANDLE ICE CUTTERS**

42 inches over all; Blade 8 in. long.

Forged Steel Blades, carefully Hardened and Tempered; Heavy Sockets; very convenient for Ice Cream Makers, Fish Dealers, Undertakers, etc.

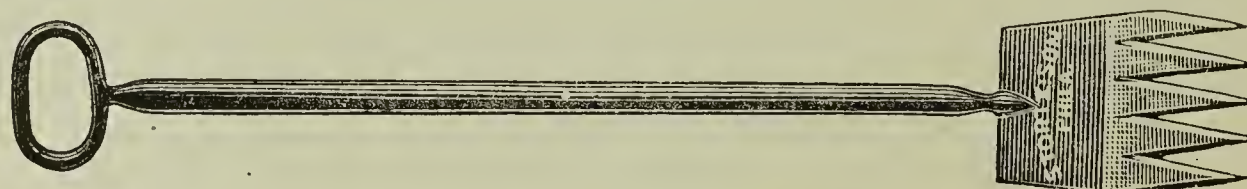
No. 2.—D Handles, 4 Points	per dozen,	\$21.00
No. 3.—D Handles, 5 Points	"	24.00

Fig. 128**IRON HANDLE ICE CUTTER**

42 Inches over all.

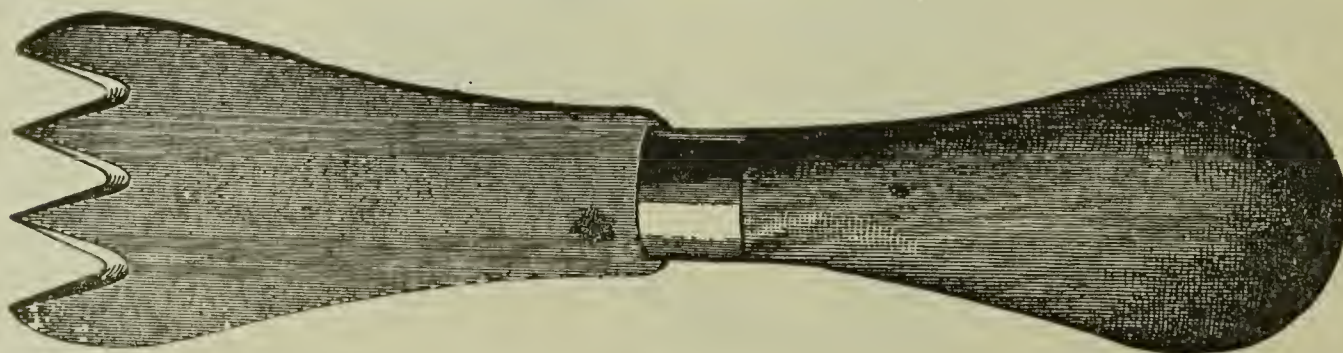
Handles of Iron, strongly welded to the Blade, carefully Hardened and Tempered. A strong, serviceable tool for hard usage.

No. 4.—Blades, 4½ in. wide, 8 in. long; 4 Points.....	per dozen,	\$24.00
No. 5.—Blades, 6 in. wide, 8 in. long; 5 Points.....	"	27.00

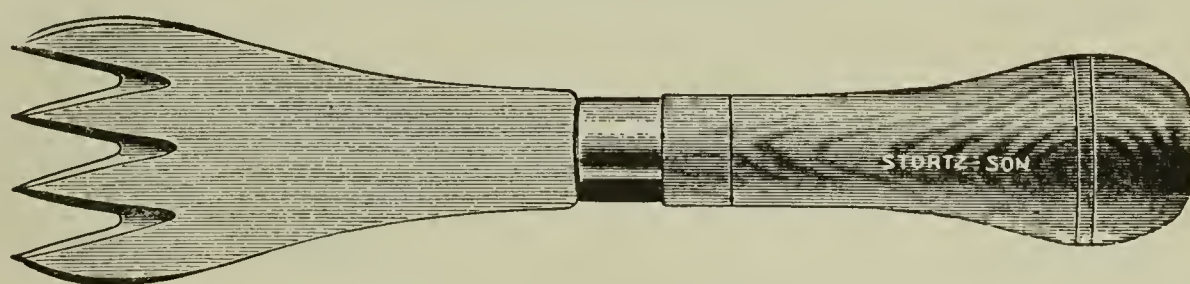
Fig. 129**PIPE HANDLE ICE SHAVES
LONG TEETH**

Handles of iron, strongly welded to the Blade, carefully Hardened and Tempered. A strong, serviceable Tool for hard usage; blades, 8 in. long.

No. 6.—4 points	per dozen,	\$27.00
No. 7.—5 points	"	33.00
No. 8.—6 points	"	39.00
No. 9.—7 points	"	45.00

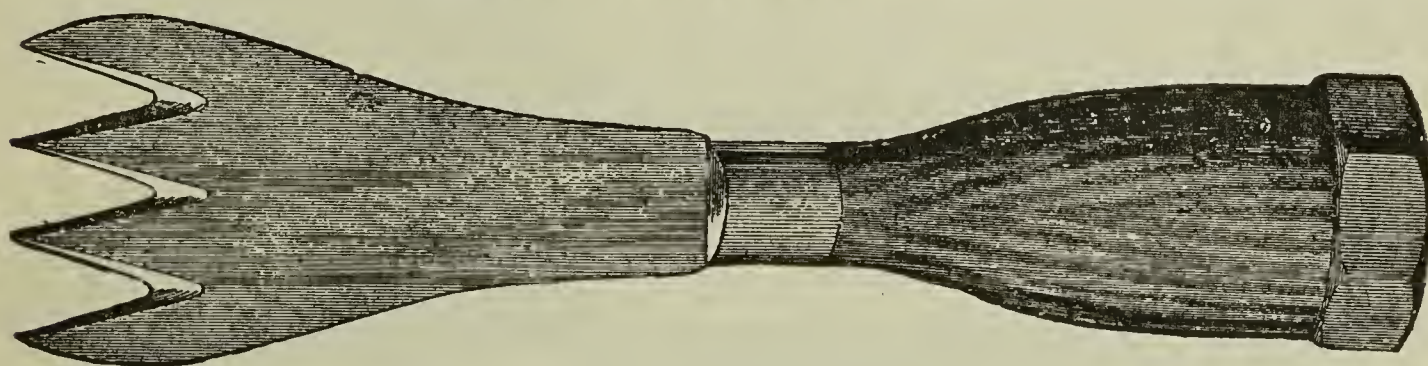
Fig. 130**ICE SHAVERS**

No. 0.—Polished Handle, Steel Blades	per dozen,	\$1.80
No. 1.—Cast Steel Blades	"	3.00

Fig. 131**ICE SHAVERS**

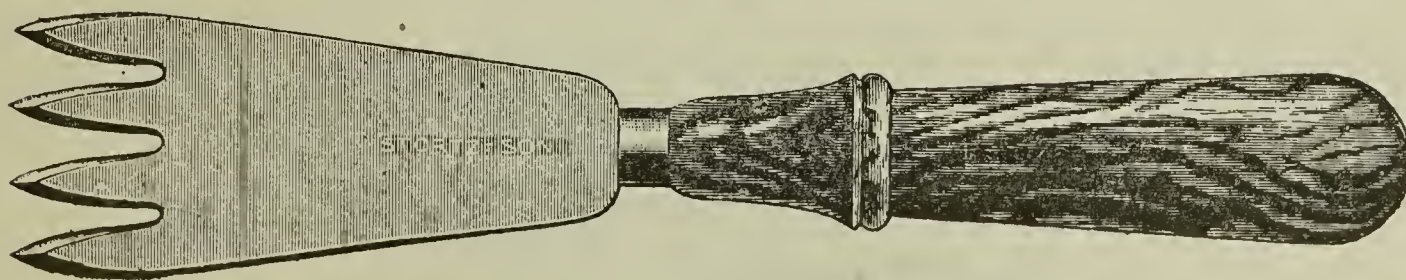
No. 2.—Forged Tempered Steel Blades, Polished Handle....per dozen, \$6.00

No. 3.—Forged Tempered Steel Blades, Tangs Riveted through
Handles “ 6.75

Fig. 132**CAPPED ICE SHAVERS**

No. 4.—Cast Steel Blades, Iron Capsper dozen, \$4.50

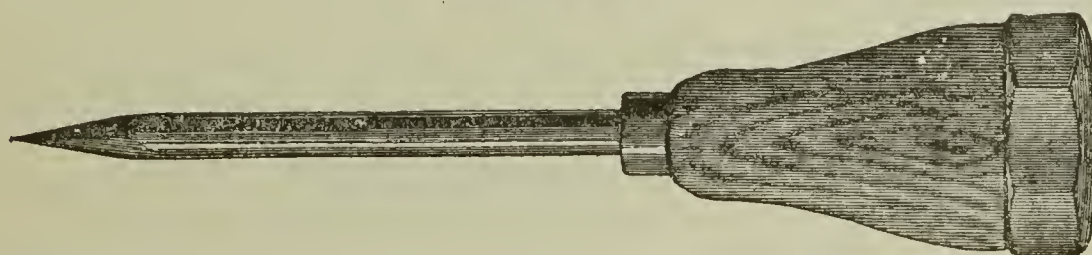
No. 5.—Forged Tempered Steel Blades, Iron Caps..... “ 7.20

Fig. 133—For Hotels and Restaurants**HAND FORGED BEST TOUGH STEEL**

No. 6.—Blade, 6 inches; Handle, 8 inches.....per dozen, \$9.75

No. 8.—Blade, 8 inches; Handle, 10 inches..... “ 12.75

No. 10.—Blade, 10 inches; Handle, 12 inches..... “ 16.75

Fig. 135**ICE PICKS**

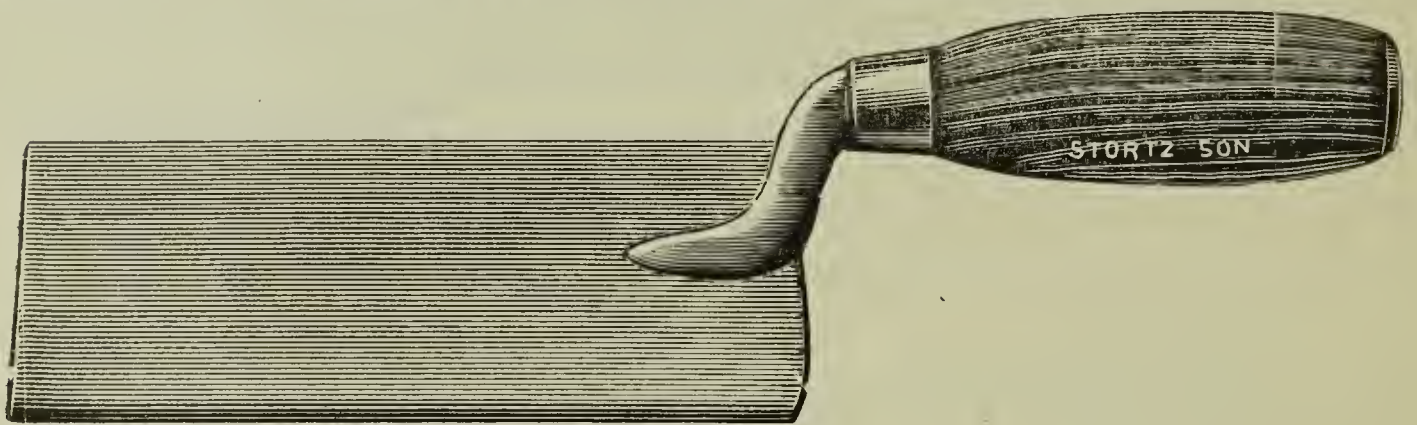
No. 2.—Malleable Iron, Octagon Caps on Handles; Diamond and Oval
Points; Steel Forgedper dozen, \$4.50

Fig. 136**ICE AWLS**

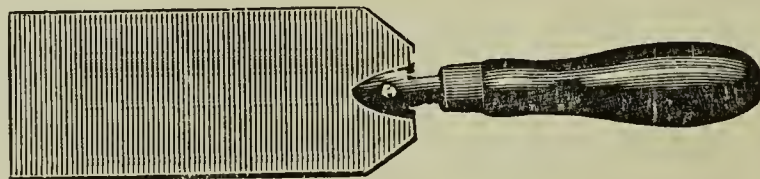
No. 3.—Thin Tempered Steel Bladesper dozen, \$2.25

Fig. 137**ICE PICKS**

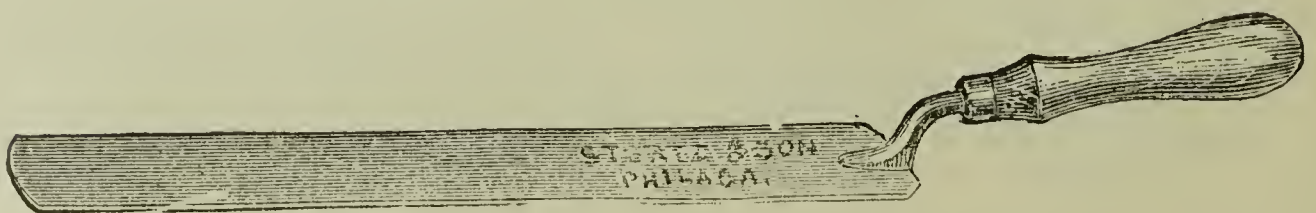
No. 4.—Thin Tempered Steel Bladesper dozen, \$2.25

Fig. 138**ICE CREAM MOULD FILLERS**

No. 1.—6 inch Steel Blades, Tinned.....per dozen, \$7.50
 No. 2.—8 inch Steel Blades, Tinned..... " 9.00

Fig. 139**STRAIGHT HANDLE FILLERS**

No. 3.—6 inch Blades, Tinned.....per dozen, \$7.50
 No. 4.—8 inch Blades, Tinned..... " 9.00

Fig. 140**ICE CREAM CAN SCRAPERS**

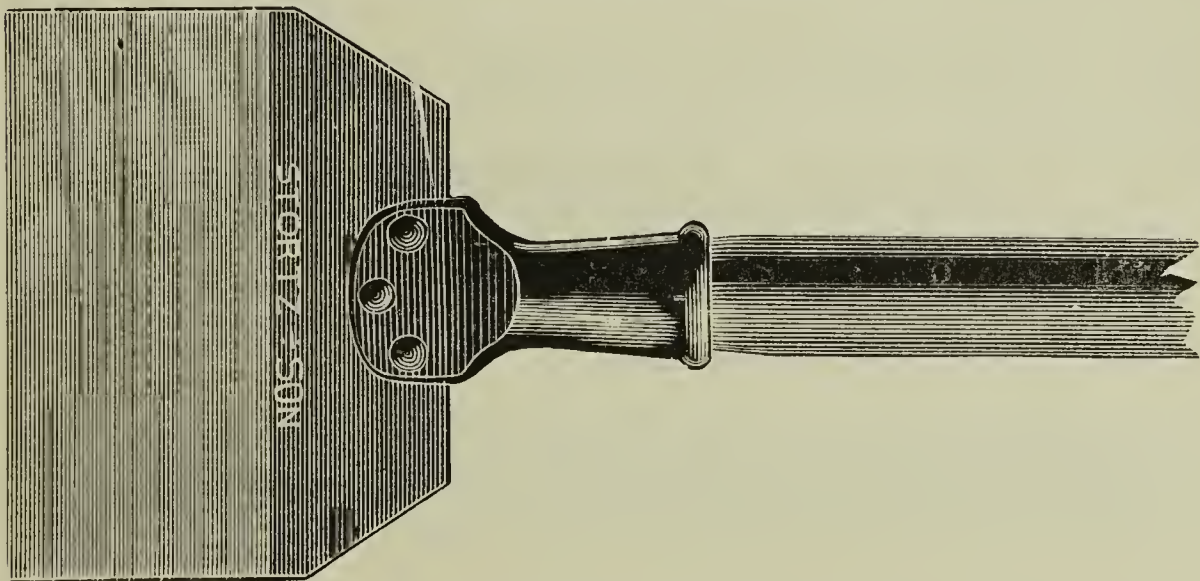
No. 1.—Steel Blades, 14 in. long x 1¾ in. wide; Spring Tempered,
 Priceper dozen, \$6.50

Fig. 141 **IMPROVED CONCAVE BLADE**
Ice Cream Can Scrapers



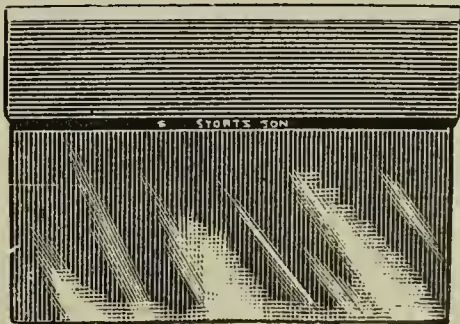
No. 2.—Steel Bladesper dozen, \$12.00

Fig. 142 **FLOOR SCRAPERS**



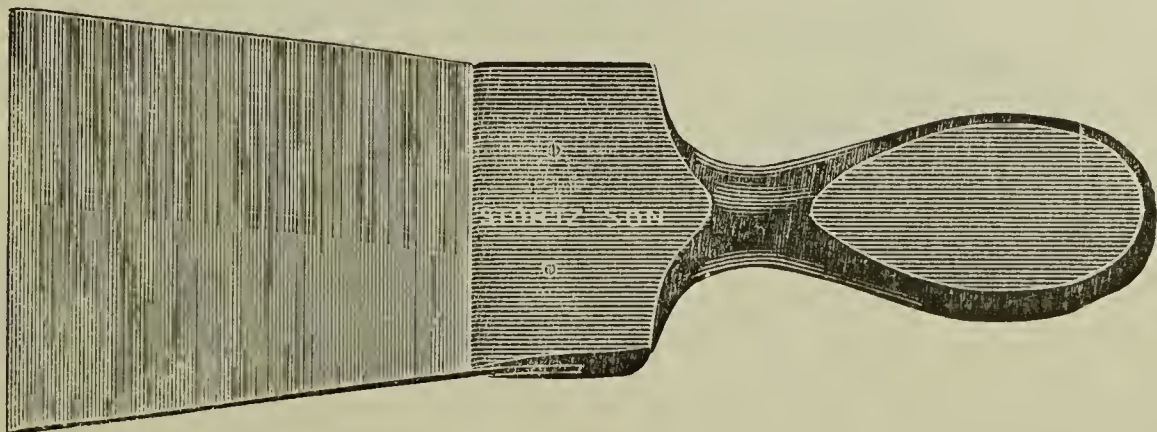
Strong Malleable Iron Sockets.
Cast Steel, 6¾ x 5½ in. Blade, 4½ ft. Handles.....per dozen, \$12.50

Fig. 143 **DOUGH SCRAPERS**



No. 1.—Steel Blades ; Size of Blade, 5 inches.....per dozen, \$6.00
No. 2.—Steel Blades ; Size of Blade, 6 inches.....“ 6.50

Fig. 144 **PAN SCRAPERS**



Steel Blades, 3½ in. wideper dozen, \$2.25

OYSTER KNIVES

AND

OYSTERMEN'S TOOLS

These knives have obtained a reputation superior to any. Quality, Temper and Finish are unexcelled, and each Knife fully tested and warranted free from defects. Having a knowledge of the requirements of the trade in various sections of the country, we have, by careful attention to every detail and long experience, been able to produce a line of Oyster Knives unexcelled for their superior quality.

Fig. 145 STORTZ'S PHILADELPHIA PATTERN



Edges of Handles are Champfred to prevent blistering of hands.

	Size Hdles.	Weight	Per Dozen
No. 1.—For Family Use.....	$\frac{5}{8} \times 4\frac{3}{4}$	8 oz.....	\$6.00
2.—For Cullens, Etc.....	$\frac{11}{16} \times 5\frac{1}{4}$	12 oz.....	7.00
3.—Regular Bar Knife.....	$\frac{3}{4} \times 5\frac{1}{2}$	15 oz.....	7.75
4.—Large “ “.....	$\frac{7}{8} \times 5\frac{3}{4}$	18 oz.....	8.50

Fig. 146 STORTZ'S ORIGINAL FLUTED PATTERN



This Knife is in universay favor among Oystermen, the shape being such that they fit the hand comfortably, prevent slipping and blistering of the hands.

	Size Hdles.	Weight	Per Dozen
No. 3.—Regular Bar Knife.....	$\frac{3}{4} \times 5\frac{3}{4}$	14 oz.....	\$9.75
4.—Large “ “.....	$\frac{7}{8} \times 5\frac{3}{4}$	18 oz.....	10.50

Fig. 147 PHILADELPHIA TOOL CO. BRAND



This is a grade of knives which will be found superior to any in the market at same prices, and is offered to the trade to meet the demand for a CHEAPER KNIFE than our famous Stortz Brands.

	Size Handles	Weight	Per Dozen
No. 0.—.....	$\frac{3}{8} \times \frac{5}{8} \times 4\frac{1}{2}$ in.	7 oz.....	\$5.00
1.—.....	$\frac{1}{2} \times \frac{1}{2} \times 5$ in.	8 oz.....	5.25
2.—.....	$\frac{5}{8} \times \frac{5}{8} \times 5\frac{1}{4}$ in.	10 oz.....	6.00
3.—.....	$\frac{3}{4} \times \frac{3}{4} \times 5\frac{1}{2}$ in.	15 oz.....	6.75
4.—.....	$\frac{7}{8} \times \frac{7}{8} \times 5\frac{3}{4}$ in.	18 oz.....	7.50

Fig. 148

NEW YORK PATTERN



	Size Hdles.	Weight	per doz.
No. 00.—Baltimore sample	$\frac{3}{8} \times \frac{5}{8} \times 4\frac{1}{2}$ in.	7 oz.	\$3.60
No. 0.—Small Sampling	$\frac{1}{2} \times 4\frac{1}{2}$ in.	8 oz.	5.50
No. 1.—Large Sampling	$\frac{5}{8} \times 4\frac{3}{4}$ in.	10 oz.	6.00
No. 2.—For Family use, clams, cullens.	$\frac{1}{8} \times 5$ in.	12 oz.	7.00
No. 3.—Medium	$\frac{3}{4} \times 5\frac{3}{4}$ in.	15 oz.	7.75
No. 4.—Regular Bar Knife for Primes	$\frac{7}{8} \times 5\frac{3}{4}$ in.	18 oz.	8.50

Fig. 149

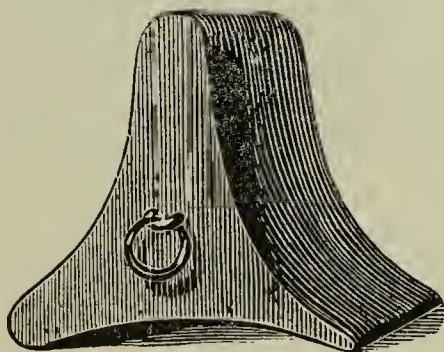
REGULAR NEW YORK STYLE



No. 5.—Size about $\frac{5}{16} \times \frac{7}{8} \times 9$ in. over all.....per dozen, \$6.00
Full Polished Knives, per dozen, extra \$1.00 net.

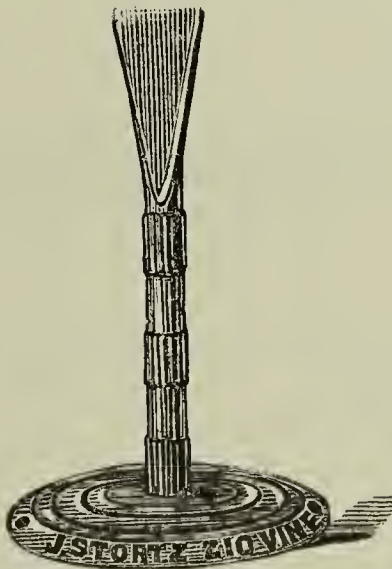
COYSTER HARDIES

Fig. 150



Style of Nos. 1 and 2

Fig. 151

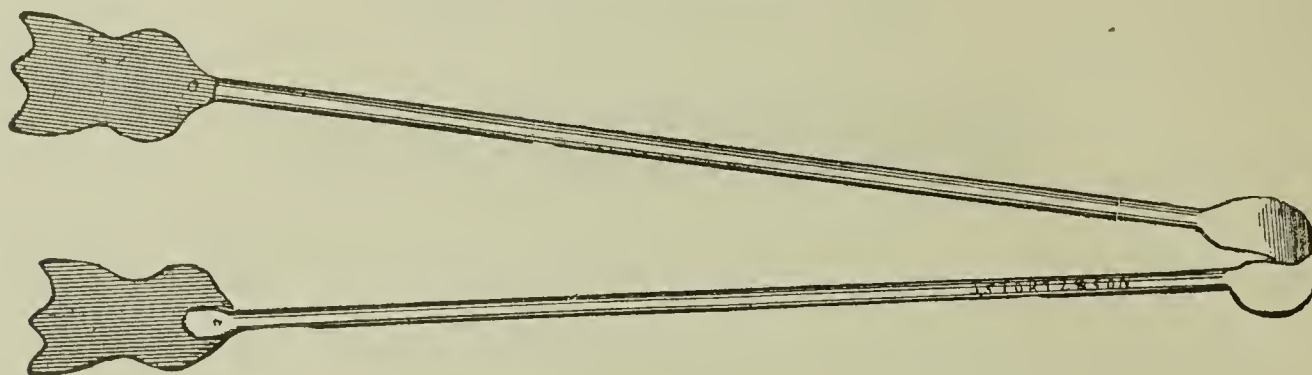


Style of Nos. 3 and 4

No. 1.—Solid Triangle, light; height $7\frac{1}{2}$ in.	price, each,	\$1.35
No. 2.—Solid Triangle, heavy; height, $7\frac{1}{2}$ in.	"	1.80
No. 3.—Forged Post Hardies; height, 8 to 12 in.	"	2.00
No. 4.—Forged Post Hardies; height, above 12 in.	"	2.25

Fig. 152

CRAB TONGS

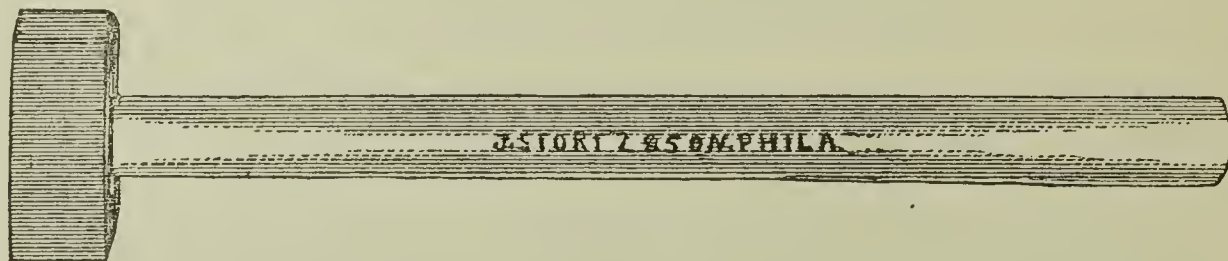


Used for Handling Live Crabs.

Japannedper dozen, \$6.00

Fig. 153

SHUCKING HAMMERS

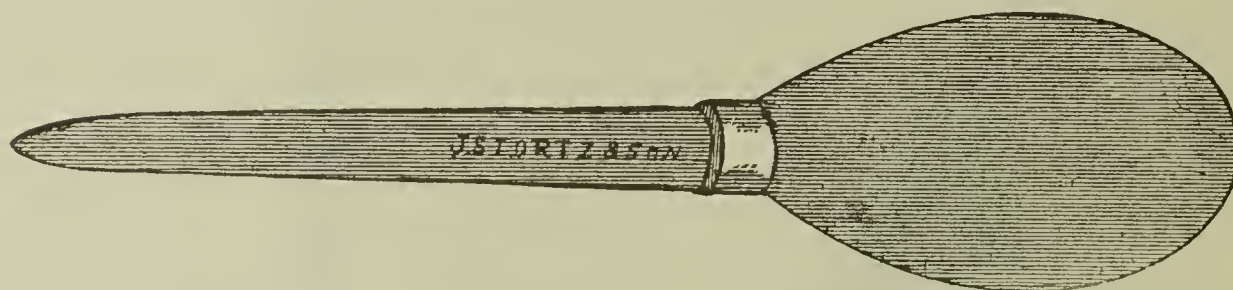


Casted Heads.— $\frac{3}{4}$ to $\frac{7}{8}$ square face; Handled per dozen, \$2.70
 Casted Heads.—1 to $1\frac{1}{8}$ square face " 3.30

WOOD HANDLE OYSTER STABBING KNIVES

Fig. 154

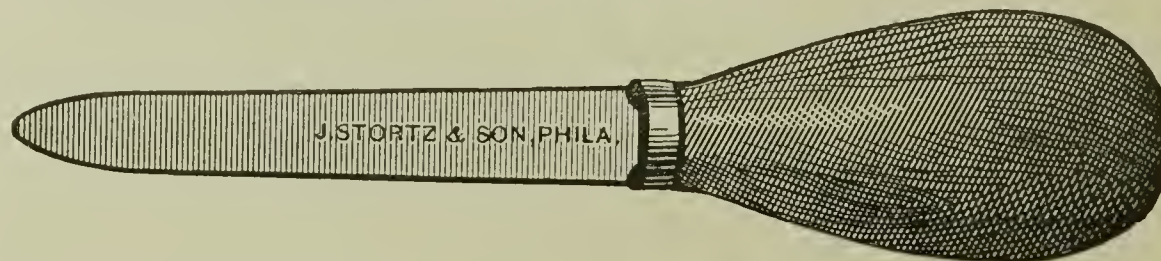
BALTIMORE PATTERN



Knives complete with Handles per dozen, 4.50
 Blades Only " \$3.60

Fig. 155

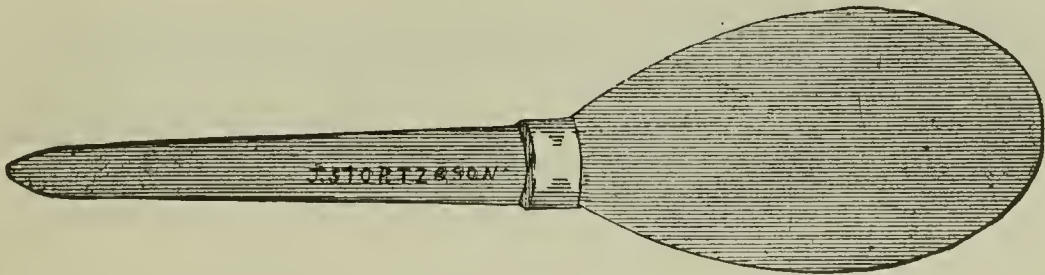
BOSTON PATTERN



Knives complete with Handles per dozen, 4.50
 Blades Only " \$3.60

Fig. 156

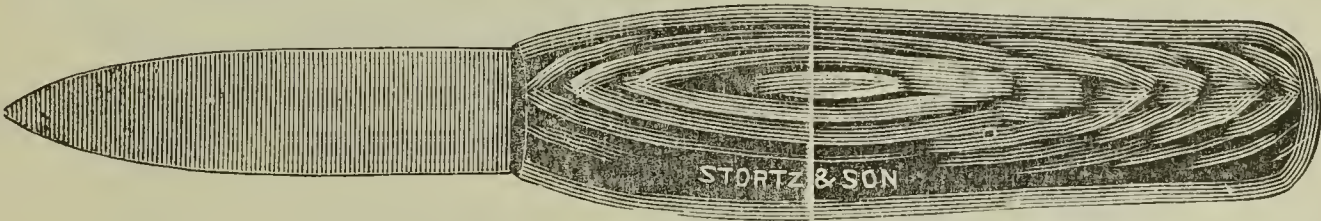
ALEXANDRIA PATTERN



Knives complete with Handles	per dozen,	4.50
Blades Only	"	\$3.60

Fig. 157

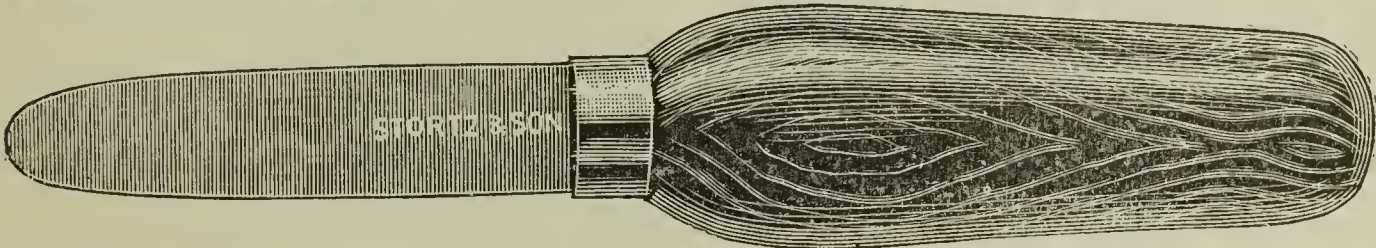
PROVIDENCE KNIVES



Knives complete with Handles	per dozen,	4.50
Blades Only	"	\$3.60

Fig. 158

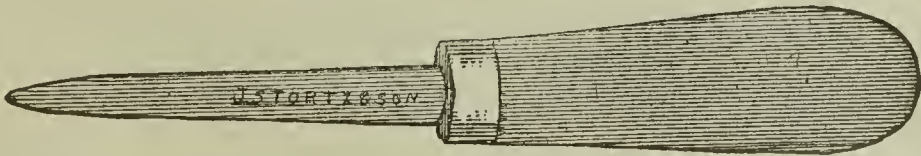
NEW HAVEN OYSTER KNIVES



Knives complete with Handles	per dozen,	4.50
Blades Only	"	\$3.60

Fig. 159

CRAB KNIVES

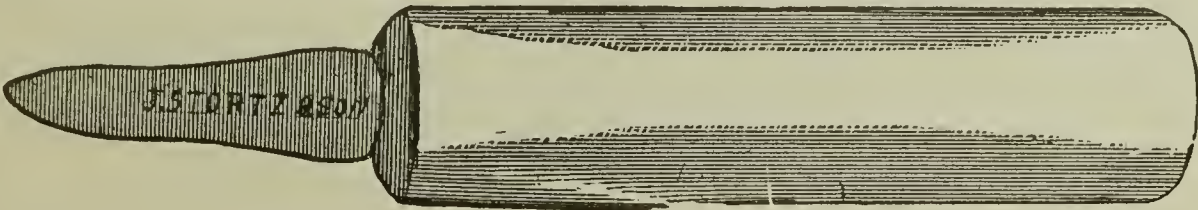


Tempered Elastic Blade; Cherry Handles; Well Finished, Neat and Handy
Knife for Restaurant Use.

Price	per dozen,	\$3.75
-------------	------------	--------

Fig. 160

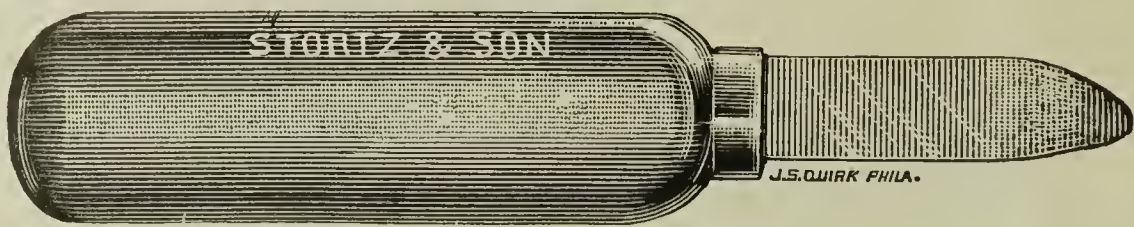
SHUCKING KNIVES



No. 1.—Knives complete with Handles	per dozen,	4.50
Blades Only	"	\$3.60

Fig. 161

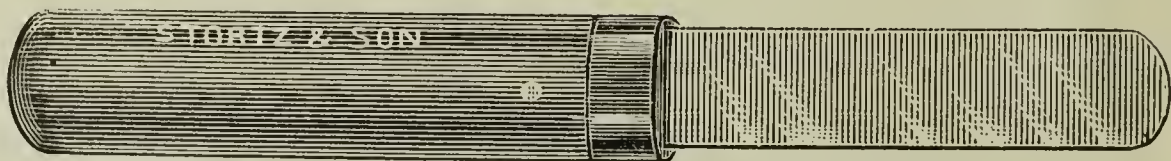
SHUCKING KNIVES



No. 2.—Knives complete with Handles.....	per dozen,	\$4.50
Blades Only	"	3.60

Fig. 162

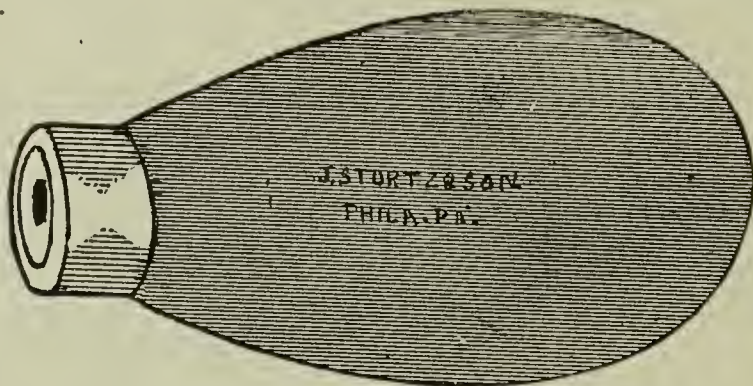
CLAM KNIVES



No. 1.—Size of Blades, 1/2x2 3/4 in.	per dozen,	\$4.00
No. 2.—Size of Blades, 5/8x3 in.	"	4.50

Fig. 163

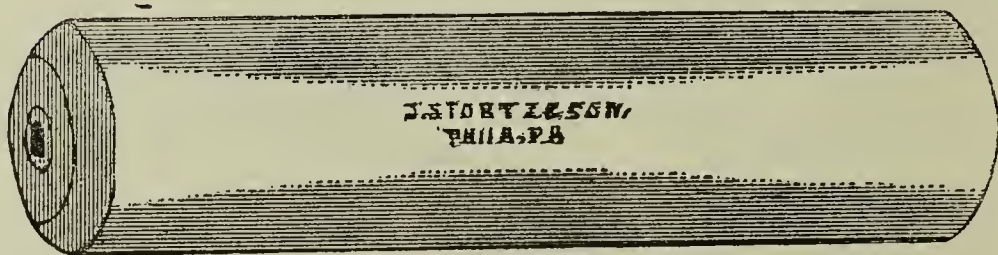
STABBING KNIFE HANDLES



Soft Wood	per gross,	
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Fig. 164

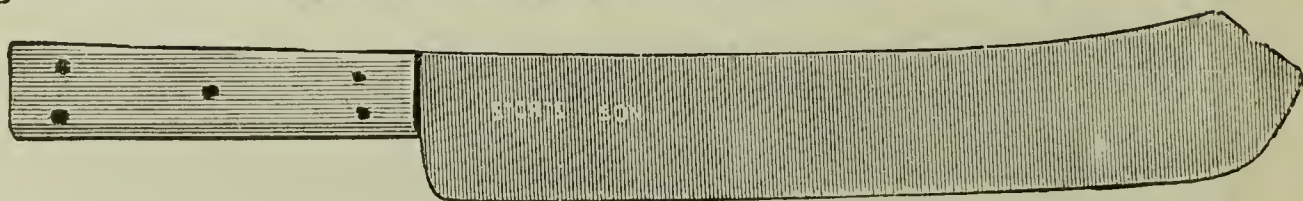
SHUCKING KNIFE HANDLES



Soft Wood, inserted Brass Ferrules	per gross,	
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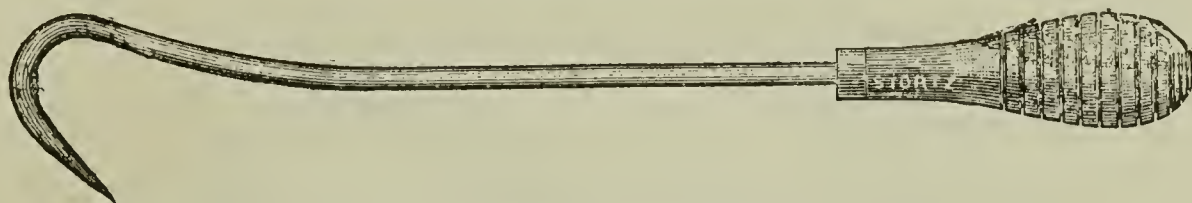
Fig. 165

HALIBUT OR LARGE FISH KNIVES



These Knives are also used as Lamb Splitters.		
No. 1.—Straight handles; Size 10 inch; weight, 2 lbs....	per dozen,	.....
No. 2.—Straight handles; Size, 12 inch; weight 2 1/2 lbs....	"	.....
No. 3.—Hooked handles; Size, 12 inch; weight, 2 1/2 lbs....	"	.....
PRICES ON APPLICATION.		

Fig. 166

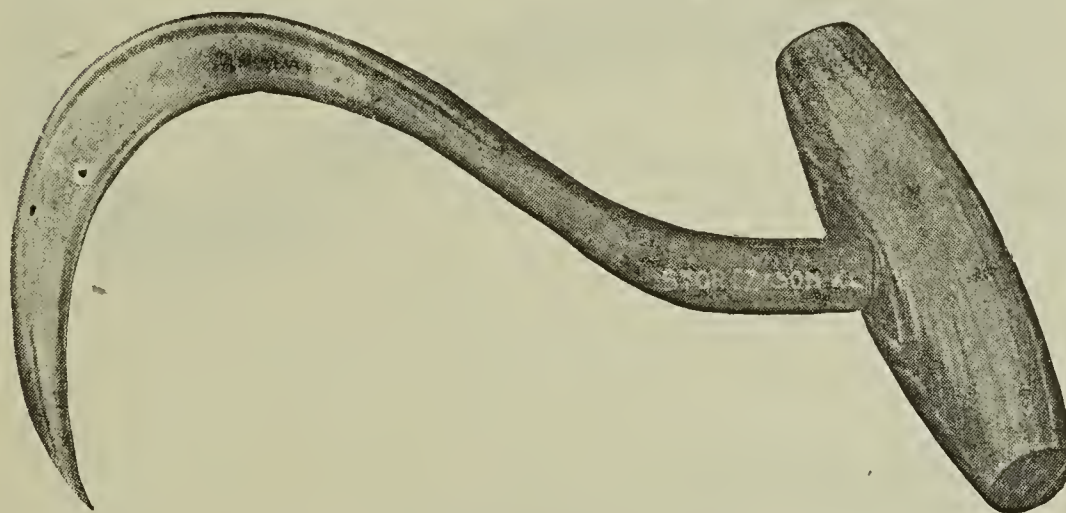
SELECTING HOOKS**WOOD HANDLES.**

10	12	15	18	Inches, exclusive of Handle.
\$4.50	\$5.25	\$6.00	\$6.75	per dozen.

Fig. 167

STORTZ X-L CASE HOOKS

For Teamsters, Lumber and Freight Handlers'



Swell Pattern, Full Polished. Extra Strong and Serviceable.

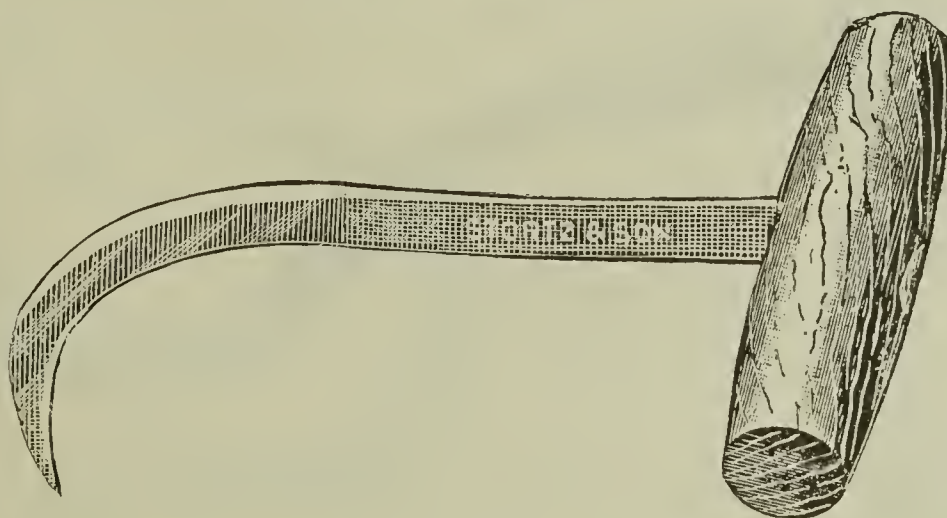
Made of special hook steel, hardened and tempered. Weight of metal properly distributed to give correct shape and balance.

LARGE SIZE HICKORY OR DOGWOOD HANDLE.

Length under handle	7 in.	8 in.	9 in.	10 in.	12 in.
Thickness of steel	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	$\frac{7}{8}$ in.
Per dozen	\$12.00	\$13.50	\$15.00	\$18.00	\$22.50

LONGSHOREMEN'S BARREL OR SNATCH HOOK

Fig. 168



Special Hook, Steel, Full Polished. Large Size Hickory or Dogwood Handle.

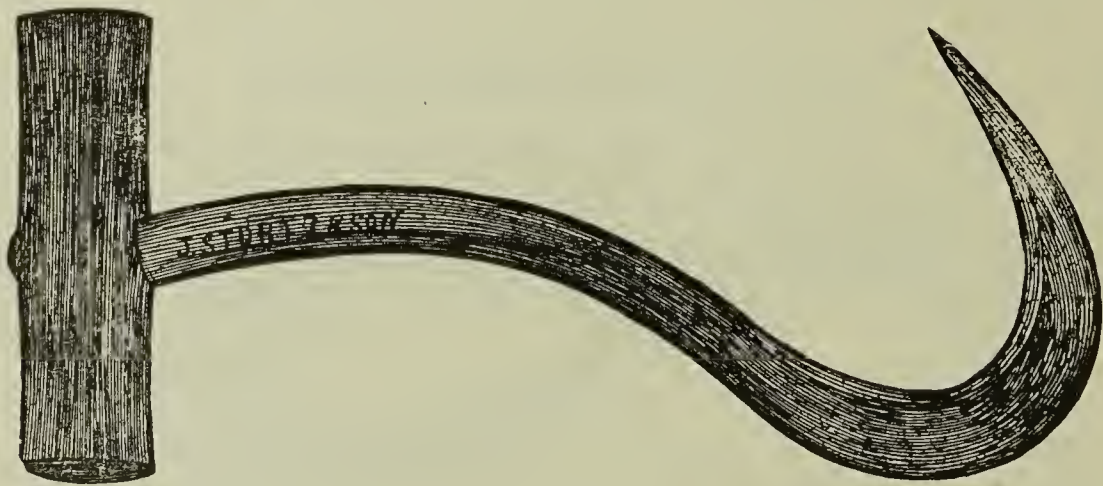
HARDENED AND TEMPERED POINTS.

A very handy hook for barrels, bales or cases. Will not slip.

Length under handle, 9 in. Made of $\frac{1}{2}$ in. square steel. . . . per dozen, **\$12.75**

Fig. 169 HEAVY SWELLED BOX HOOKS

These hooks are made for handling large cases, lumber, etc. This hook having a nicely balanced swell on hook makes it handy and strong for heavy work.



Hardwood Handles. Natural Finish, Forged Cast Steel.

Length under handle	.... 6 in.	7 in	8 in.	9 in	10 in	12 in.
Thickness of steel	.....$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	$\frac{7}{8}$ in.
Per dozen	.....\$5.00	\$6.00	\$7.00	\$8.00	\$10.50	\$12.00

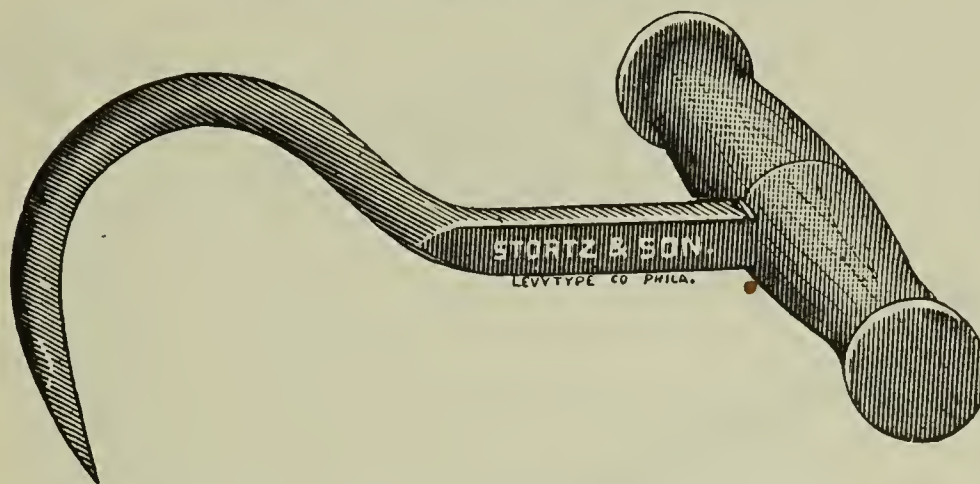
Fig. 170 BALE, HAY OR LIGHT BOX HOOKS



Hardwood Handles. Natural Finish, Forged Cast Steel.

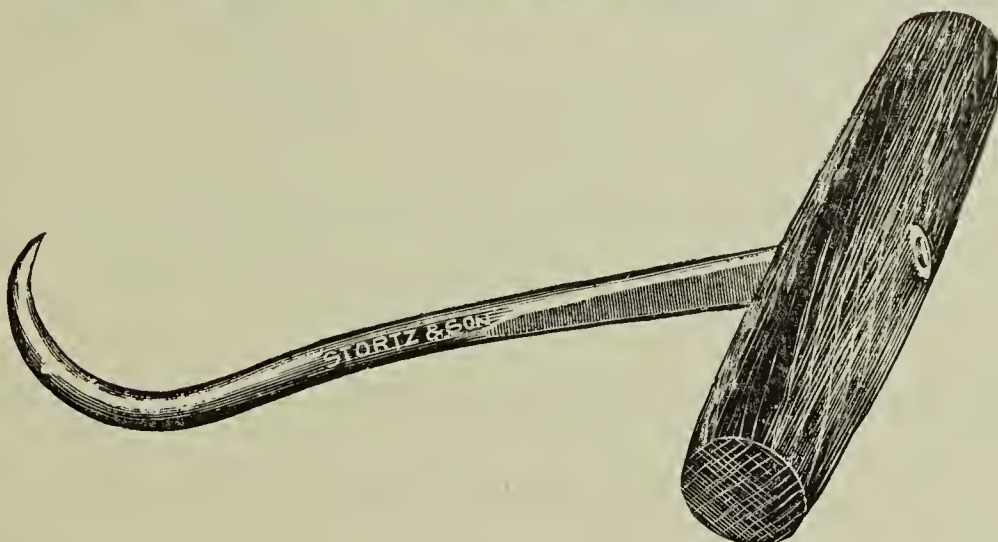
Very convenient for bales or where a hook for light work is required.

Length under handle	..... 6 in.	7 in.	8 in.	9 in.	10 in.
Thickness of steel	..... $\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{5}{8}$ in.
Per dozen	..... \$3.90	\$4.20	\$4.50	\$5.70	\$6.30

Fig. 171**BEEF OR MEAT HOOKS**

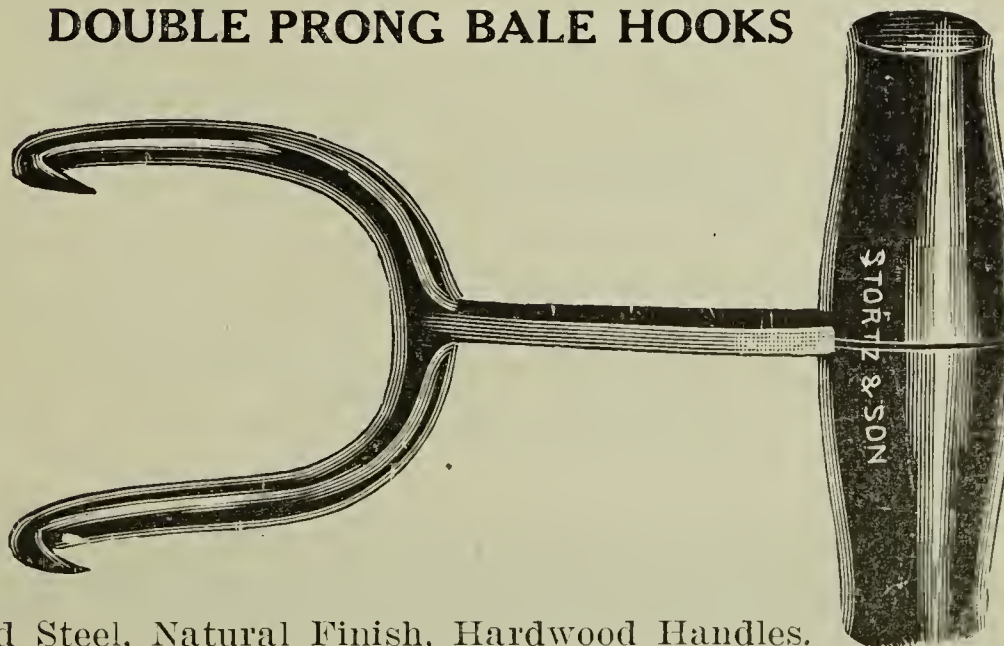
Natural Finish. Hardwood Handles.

Length under handle, 5 in.; $\frac{3}{8}$ in. round steel.....	per dozen, \$3.75
Length under handle, 6. in; $\frac{3}{8}$ in. round steel.....	“ 3.90

Fig. 172**NEW ORLEANS COTTON HOOKS**

Forged Steel, Natural Finish, Hardwood Handles.

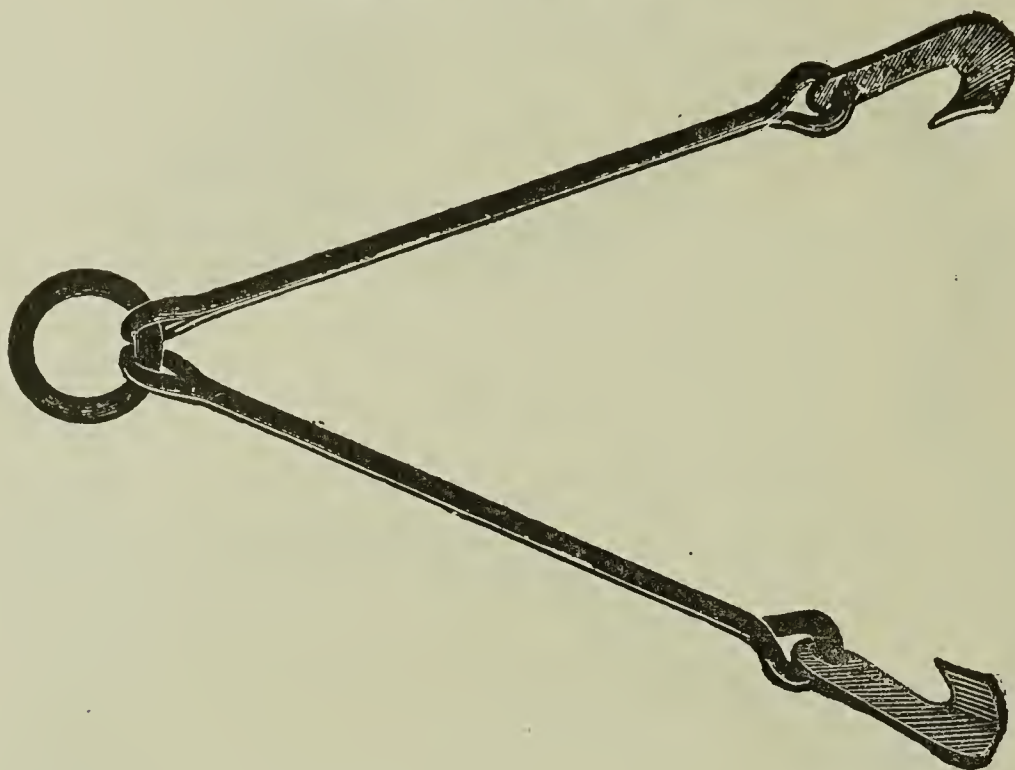
Length under handle, 7 in.; $\frac{3}{8}$ in. round steel.....	per dozen, \$4.00
Length under handle, 8 in.; $\frac{3}{8}$ in. round steel.....	“ 4.35

DOUBLE PRONG BALE HOOKS**Fig. 173**

Forged Steel, Natural Finish, Hardwood Handles.

A handy hook, used for handling wool bales or baled hay.

No. 1.— $\frac{3}{4}$ in. under handle; length 5 in.....	per dozen, \$9.00
No. 2.— $1\frac{1}{2}$ in. under handle; length, 6 in.....	“ 9.00

Fig. 174**BARREL HOOKS**

For hoisting barrels.

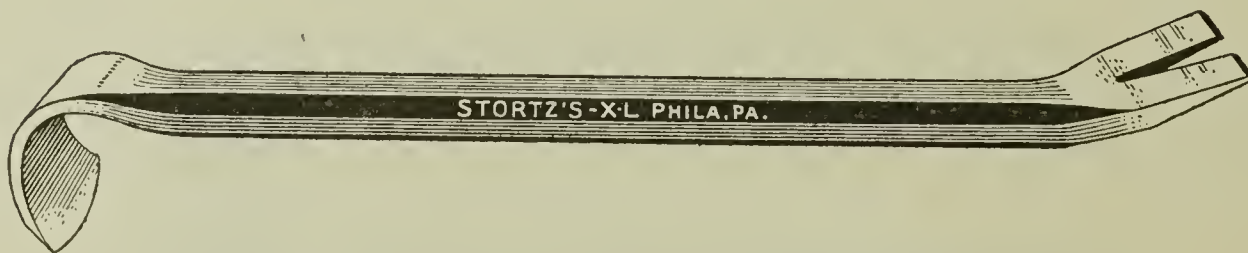
Natural Finish.

- No. 1.— $\frac{1}{2}$ in. steel arms, strong grips.....each \$7.50
 No. 2.—One steel arm, other arm a chain with sliding grip..... “ 9.00

FOR HOISTING ON ONE OR BOTH SIDES.

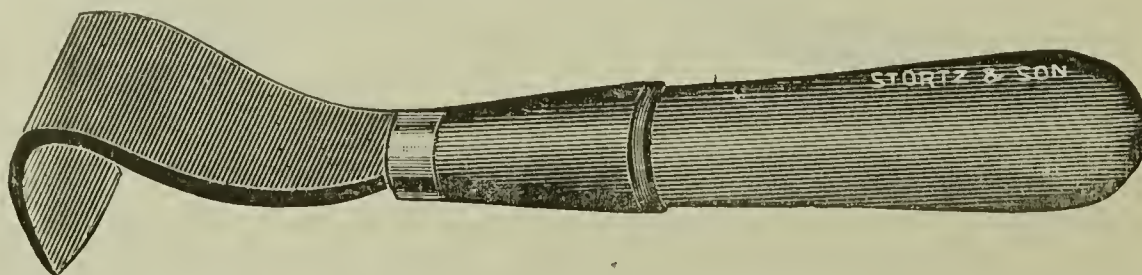
STORTZ'S X-L BOX SCRAPER AND OPENER**Fig. 175**

Forged from Bar Steel, Hardened and Tempered.

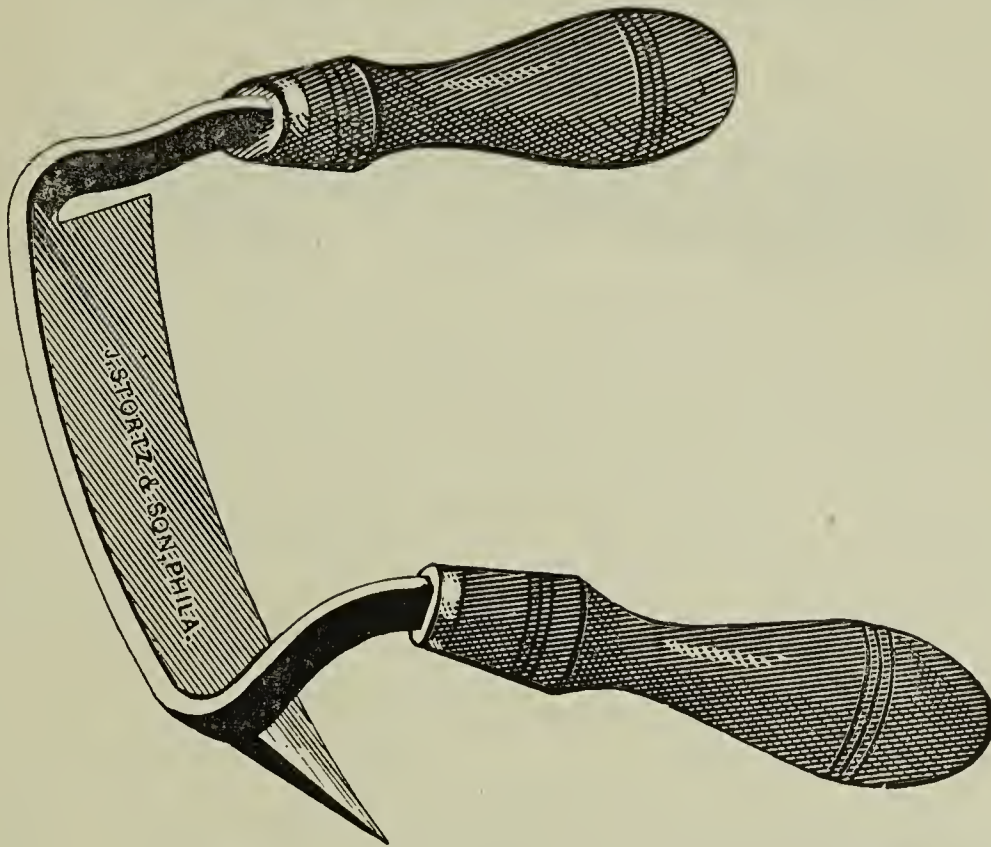


This combined Box Scraper and Box Opener is the most convenient and indestructible tool on the market. Forged from one piece of best quality steel. The blade and claw both having proper angle and shape for quick and excellent service.

Length 14 in., $\frac{3}{4}$ in. octagon steel, blade 2 in. wide.....per dozen, \$13.50

Fig. 176**COOPER'S SCRAPER**

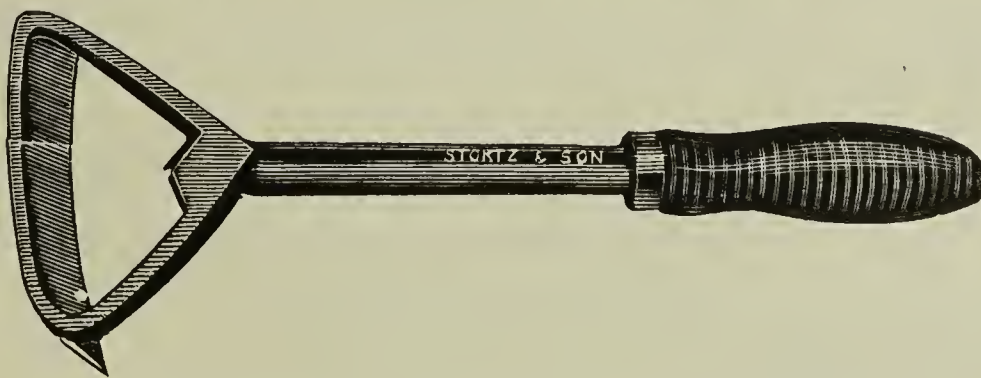
No. 2.—Best quality forged steel, hardwood handles.....per dozen, \$11.25

Fig. 178 DOUBLE HANDLE BOX SCRAPER

This scraper is forged from best crucible steel. The tangs run through hardwood handles and are strongly riveted.

Unexcelled for service.

No. 1.—Length of blade, 5 in.per dozen, \$13.50

Fig. 179 SINGLE HANDLE BOX SCRAPER

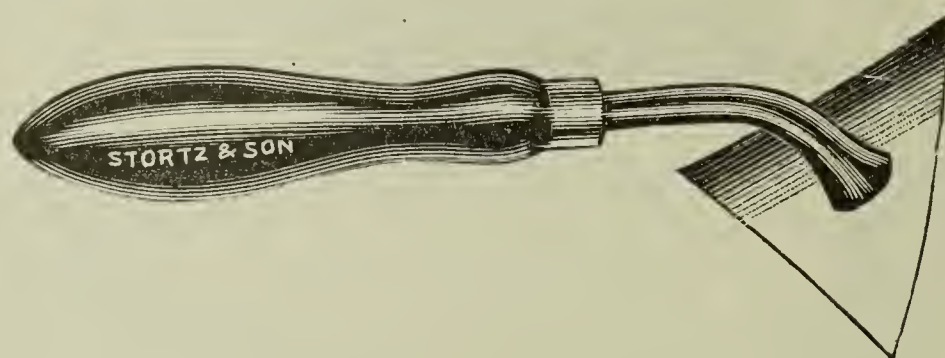
Riveted Hardwood Handles, Best Crucible Steel.

No. 3.—Polished blade, oil tempered.....per dozen, \$18.00

Fig. 180 SOCKET HANDLE BOX SCRAPER

No. 4.—Extra Quality. For Barrels, Casks, Coopers' use, etc..per dozen, \$21.00

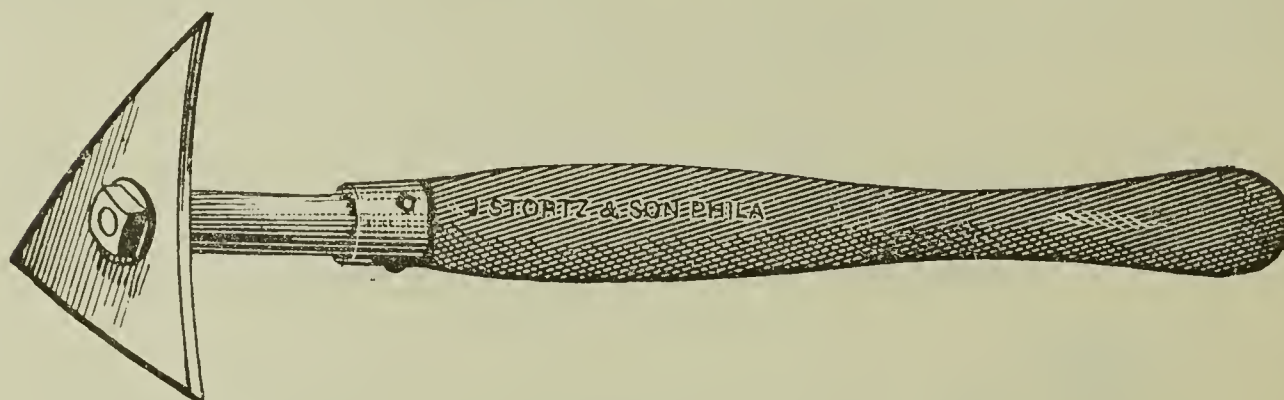
Fig. 181 BUTCHERS' BLOCK SCRAPERS



4 Inch Blades, Tempered

No. 5.—Straight Shank	per dozen, \$10.50
No. 6.—Bent Shank	“ 10.50

Fig. 182 BUTCHERS' BLOCK SCRAPERS



No. 7.—5 in. Steel Blades; 12 Gauge Steel.....	per dozen, \$12.75
--	--------------------

Fig. 184 SHIP SCRAPERS

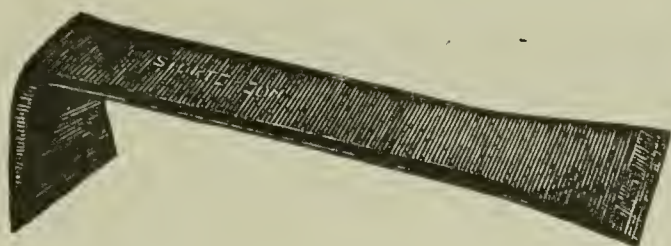


Solid Shank. All Blades are fastened by Octagon Nuts. Hardwood Handles.

No. 8.— $\frac{1}{4}$ in. thick, 5 in. cut	per dozen \$16.50
No. 9.— $\frac{1}{8}$ in. thick, 5 in. cut	“ 12.75

Fig. 185**METAL SCRAPERS**

2 in. Blade

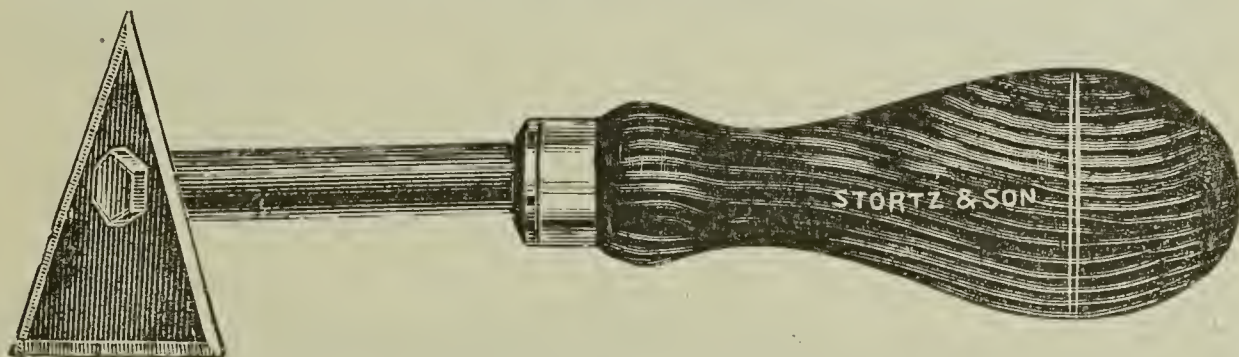


2 1/2 in. Blade

Spring Steel.

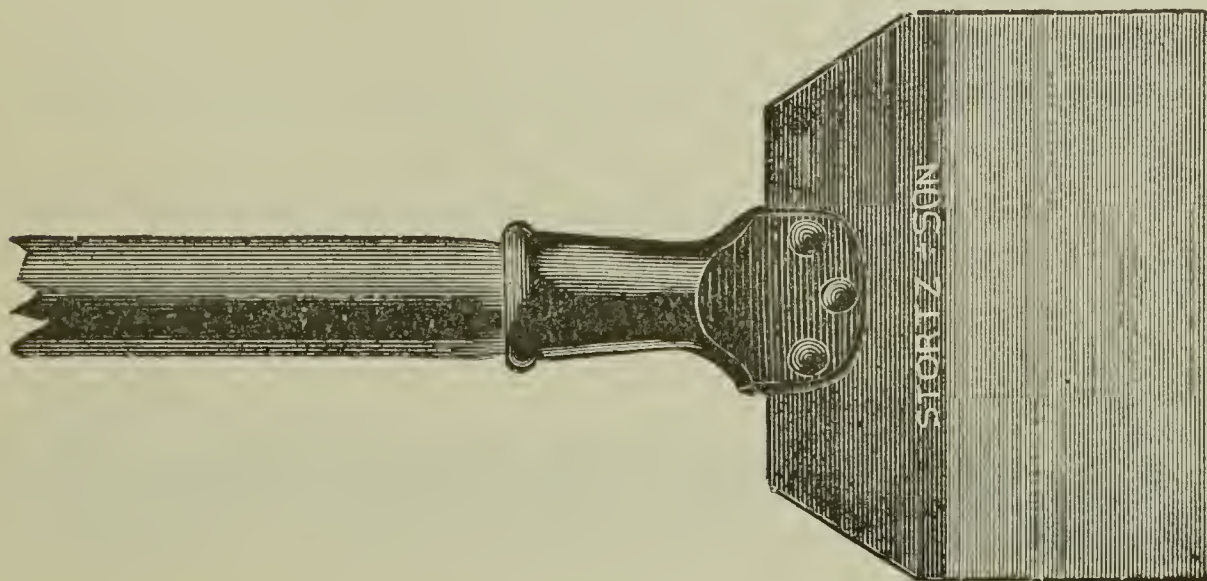
Used for scraping scales and paint from Ships, Bridges, Tanks, Fire Escapes, etc.

No. 1.— $\frac{5}{16}$ in. x $1\frac{1}{4}$ in. x $10\frac{1}{2}$ in.....per dozen, \$10.00

Fig. 186**YACHT SCRAPERS**

Fine Hand Scraper designed for Yachts and Small Boats.

Tempered $3\frac{1}{2}$ in. Blades, Cherry Handles, $9\frac{1}{2}$ in. over all....per dozen, \$6.00

Fig. 187**LONG HANDLE WALL, FLOOR AND
SIDEWALK SCRAPERS**

Steel Blades, $6\frac{3}{4}$ x $5\frac{1}{2}$ in.; strong Malleable Iron Sockets,

$4\frac{1}{2}$ ft. Ash Handles.....per dozen, \$12.50

PAINTERS' TOOLS

Fig. 183

SCRAPERS, TRIANGULAR

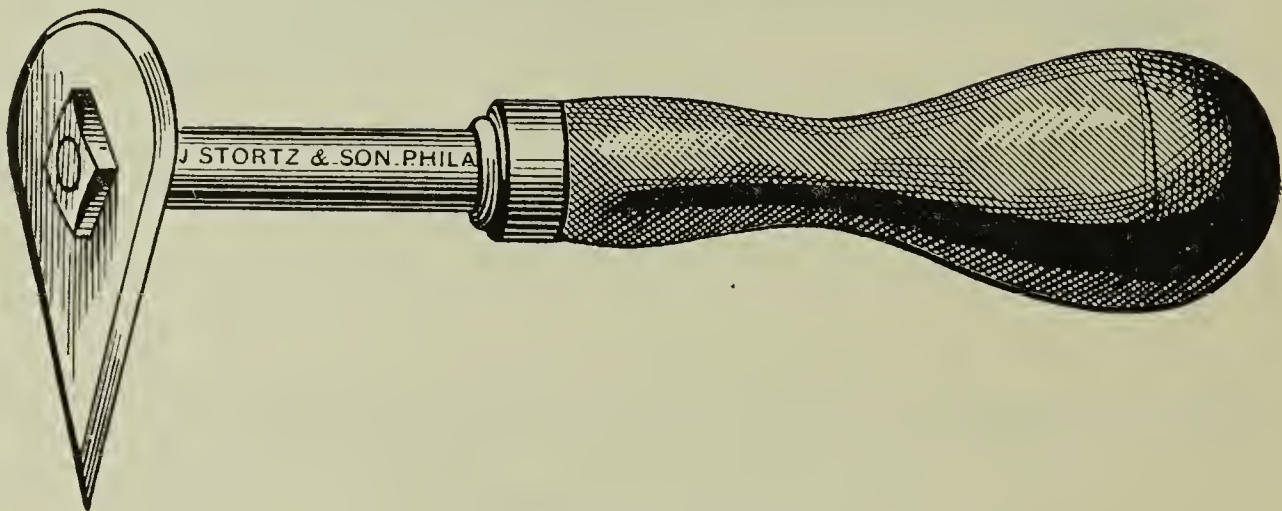


9 Inches Over All.

No. 1.—Small, 2-inch Blades	per dozen,	\$5.25
No. 2.—Medium, 2½-inch Blades	"	5.25
No. 3.—Large, 3-inch Blades	"	5.25

Fig. 189

O. G. OR OVAL BLADES

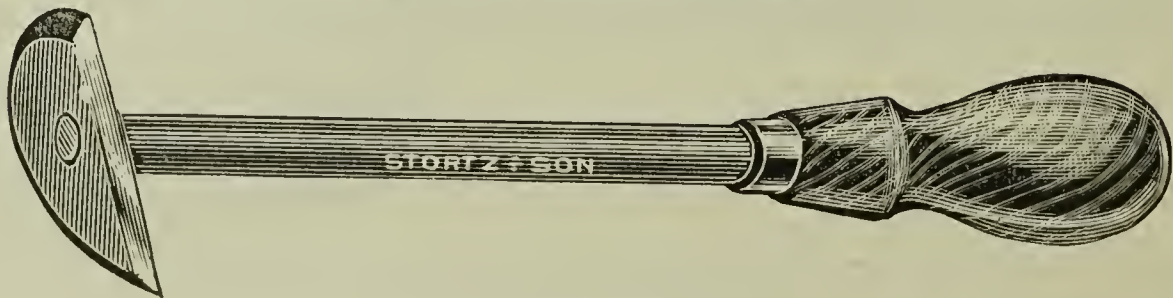


9 Inches Over All.

No. 1.—Small Blades	per dozen,	\$5.25
No. 2.—Medium Blades	"	5.25
No. 3.—Large Blades	"	5.25

Fig. 190

HALF OVAL BLADES

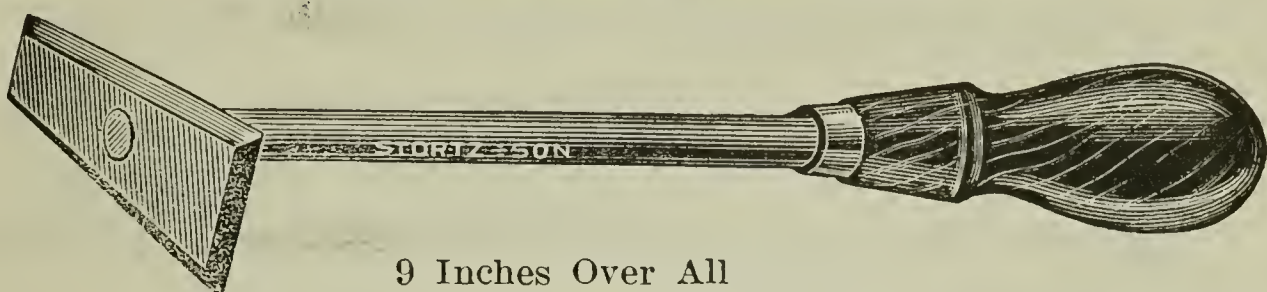


9 Inches Over All.

Medium Size	per dozen,	\$5.25
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Fig. 191

FILLET OR PANEL SCRAPERS

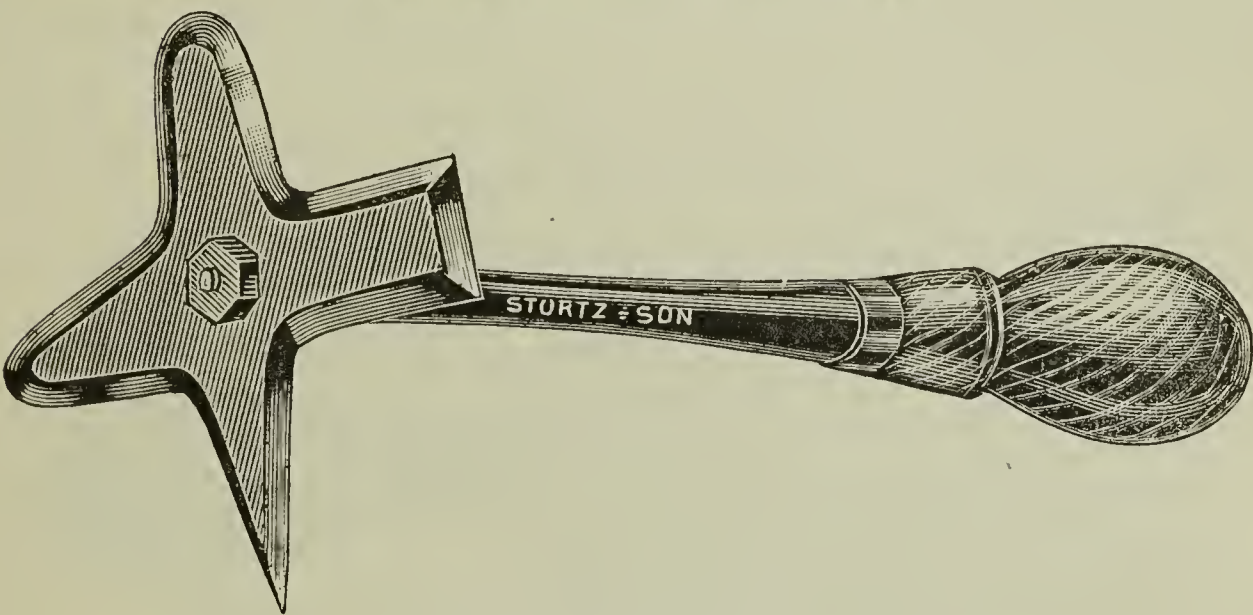


9 Inches Over All

Assortedper dozen, \$5.25

Fig. 192

COMBINATION BLADES

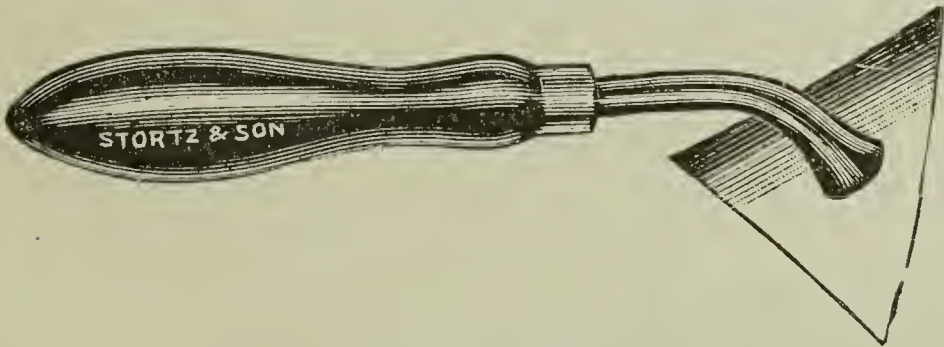


9½ Inches Over All

Combines Fillet, Oval and Triangle Blades in one.....per dozen, \$6.75

Fig. 193

LARGE SIGN AND BOX SCRAPERS

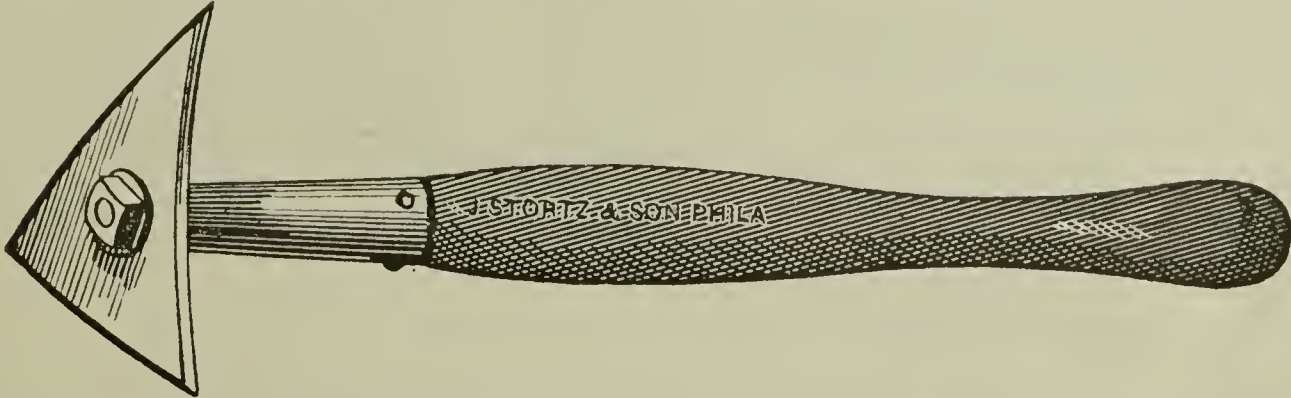


4 Inch Blades.

No. 5.—Triangle Blades; Straight Shankper dozen, \$10.50
No. 6.—Triangle Blades; Bent Shank “ 10.50

Fig. 194

LARGE SIGN AND SHIP SCRAPERS



Triangle Blades, 5 inch edge.....per dozen, \$12.75

LONG HANDLE WALL AND FLOOR SCRAPERS

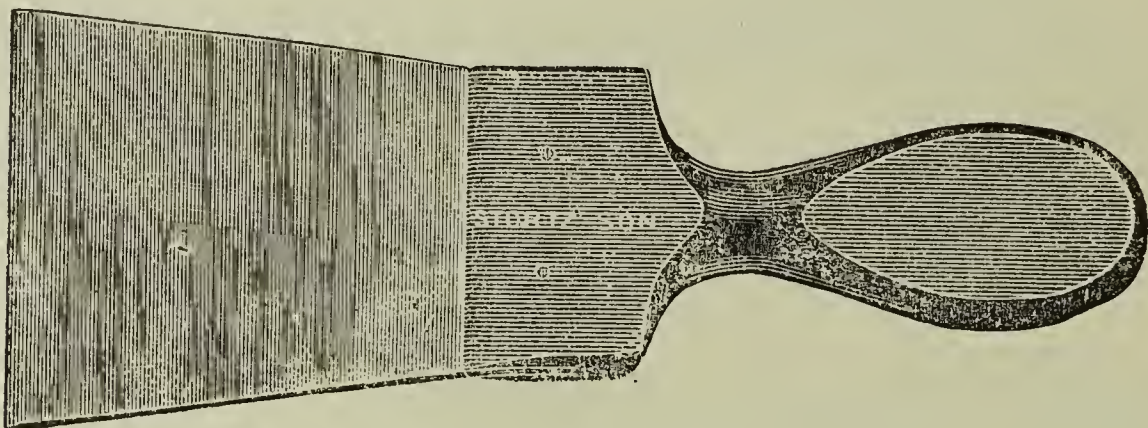
Fig. 195



4½ foot Handles.

Steel, 6¾x5½ in. Blades, Strong Malleable Iron Sockets,
Straight Bladesper dozen, \$12.50

Fig. 196 WALL SCRAPERS



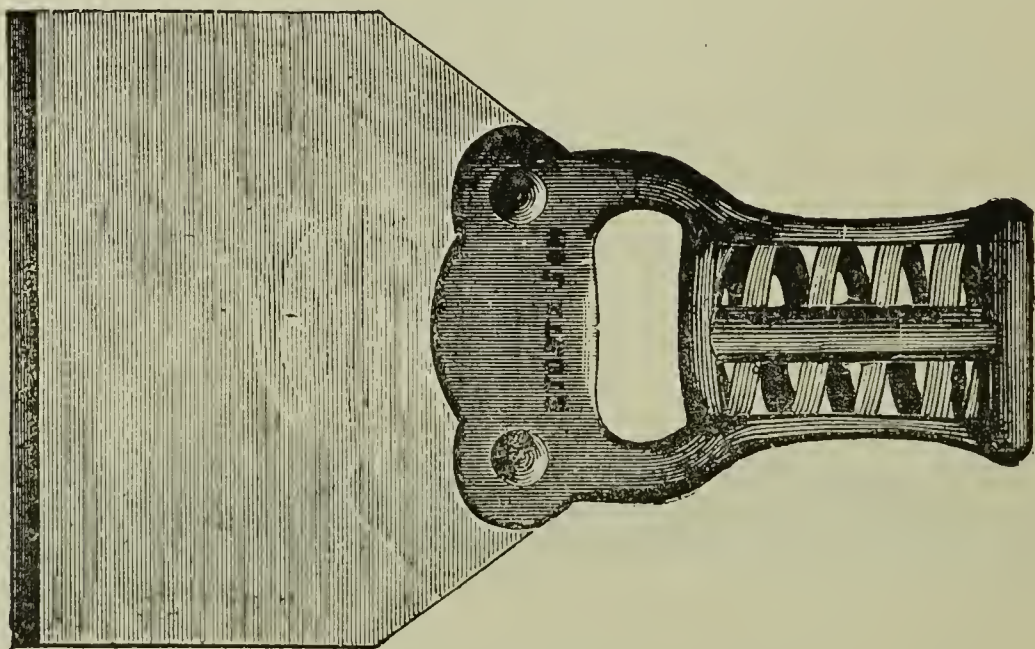
WOOD HANDLES.

Best Quality Saw Steel, 3½ inches wide.....per dozen, \$2.25

MALLEABLE IRON SOCKET OR POLE SCRAPERS

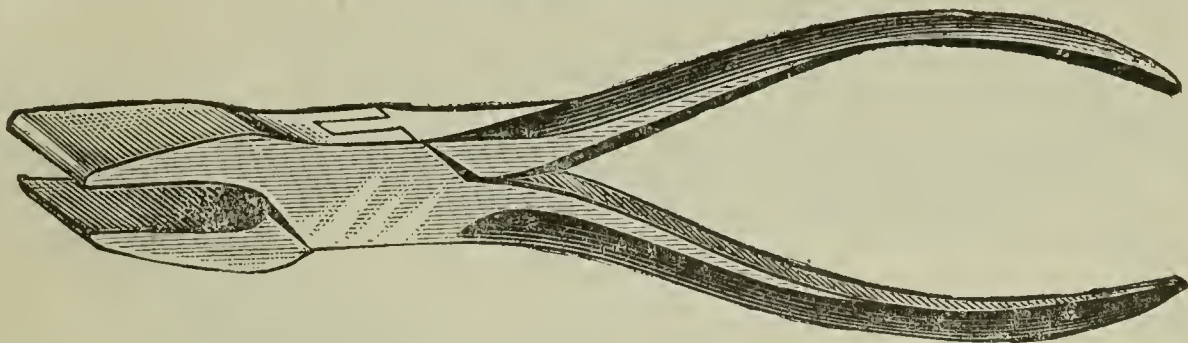
SCREW THREAD INSIDE.

Fig. 197



Steel Blades, 3, 3½, 4, 4½ inches.....per dozen, \$6.00

Fig. 198 GLASS PLIERS

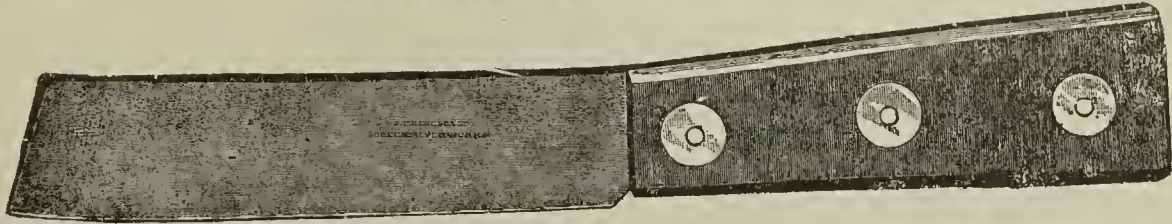


FLAT JAWS.

These are Forged from Best Quality Tool Steel.

Size	6 in.	7 in.	8 in.	9 in.	10 in.
Price, each	\$1.25	\$1.85	\$2.25	\$2.75	\$3.50

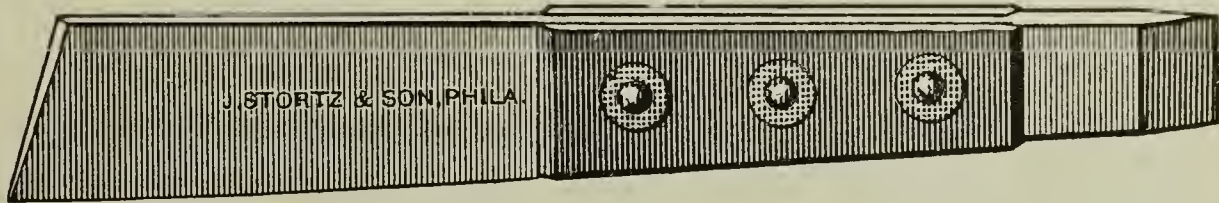
Fig. 199 HACKING KNIVES



Best Forged Steel Blades, Leather Handles.....per dozen, \$10.50

IMPROVED HACKING AND SPRIGGING KNIVES

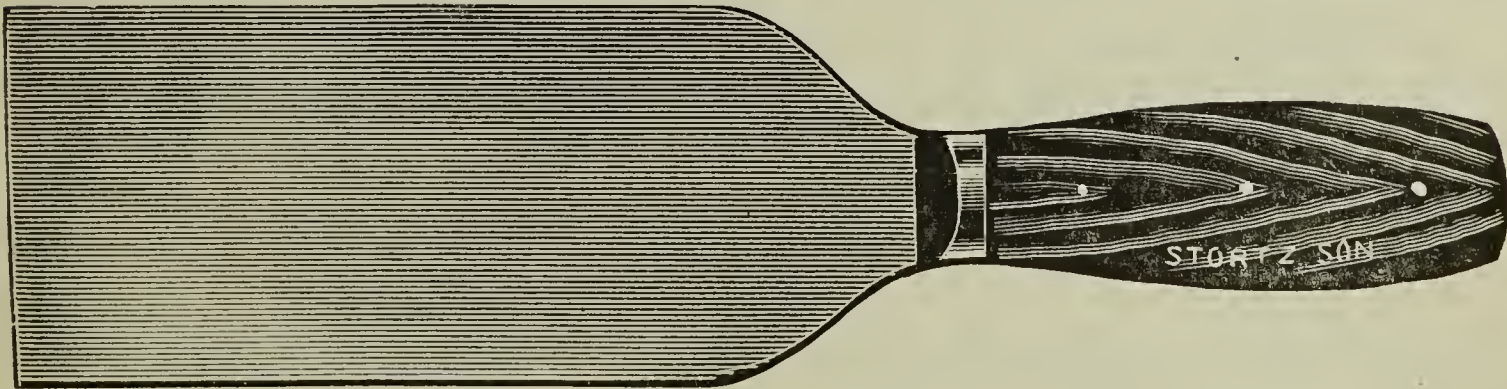
Fig. 200



We here introduce a *Combination Tool* which has improvements and advantages that make it one of the most practical Painters' Tools ever invented. It combines a Hacking Blade with a Sprig Driver and Chisel. The Tool is made of the Best Quality Steel, all edges well tempered, and the Chisel can be used for cutting or prying and driving sprig with more facility than the separate tools.

Price per dozen\$13.50

Fig. 201 PAINT MIXING KNIVES

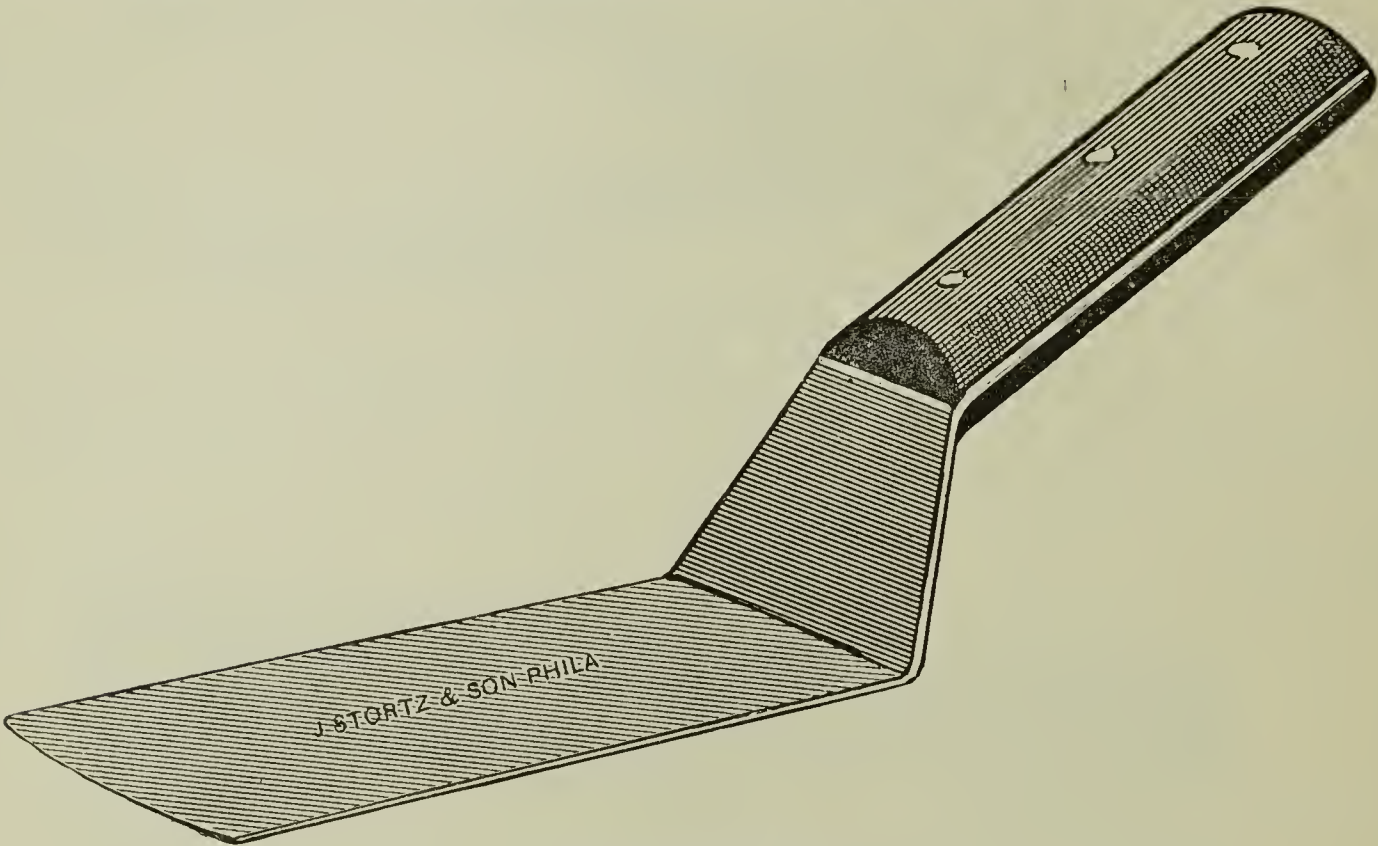


Rosewood Handles.

Length of Blade	8 in.	10 in.	12 in.	14 in.
Width of Blade	2½ in.	3 in.	3 in.	3 in.
Price per dozen	\$24.00	\$30.00	\$36.00	\$42.00

Fig. 202

PAINT OR PUTTY TROWELS

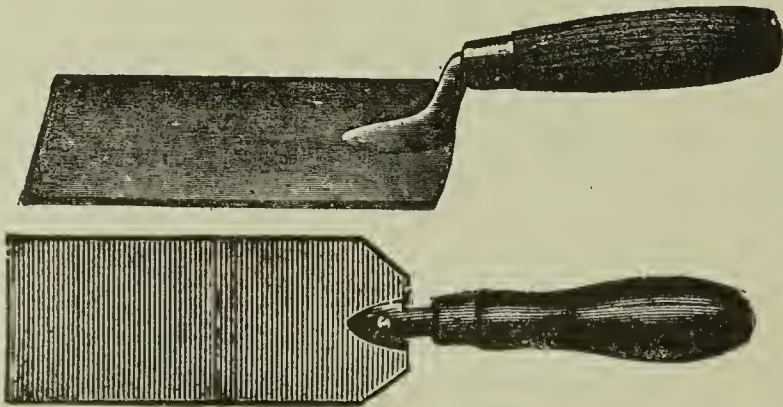


Rosewood Handles.

Blades 6½x3 inches; Full Polishedper dozen, \$39.00
SPECIAL SIZES TO ORDER.

BUTTER, LARD OR PUTTY TROWELS AND SPADES

Fig. 203



- | | | |
|---|------------|--------|
| No. 1.—Trowels, 6 inch Blades, Tinned | per dozen, | \$7.50 |
| No. 2.—Trowels, 8 inch Blades, Tinned | " | 8.25 |
| No. 3.—Spades, 6 inch Blades, Tinned | " | 7.50 |
| No. 4.—Spades, 8 inch Blades, Tinned | " | 8.25 |

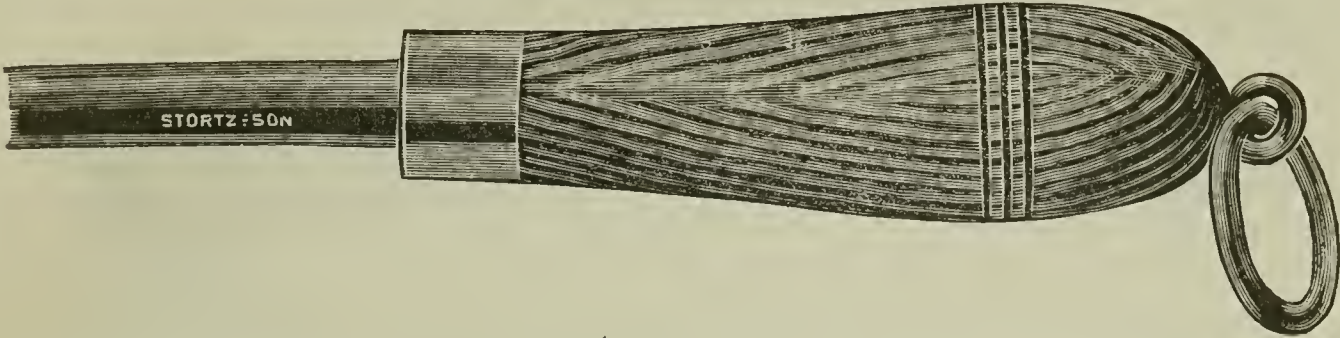
Fig. 204

KITCHEN OR FAMILY STEELS



8 inches, with Nicely Finished Black Handles.....per dozen, \$6.00

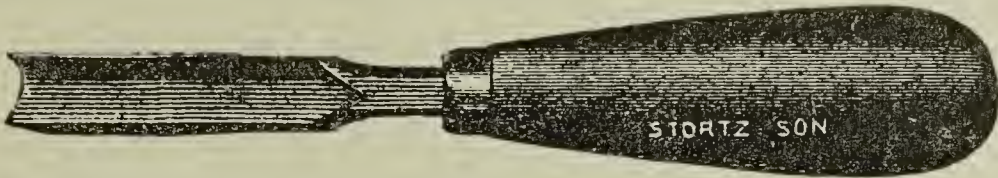
Fig. 205 **BUTCHERS' STEELS**



Philadelphia Butchers' Supply Co.'s Steels. Polished Handles, Malleable
Ferrules and Tinned Rings.

Size	10 in.	12 in.	14 in.
Per dozen .....	.....	.....	.....

Fig. 206 **BONE GOUGES**



For Boning Hamsper dozen, \$14.00

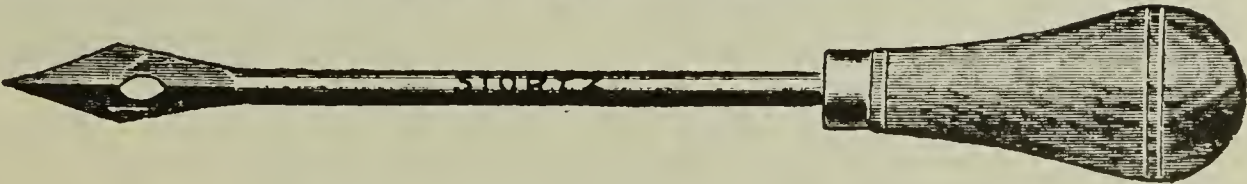
Fig. 207 **ROAST BEEF STRINGERS**



Heavy Spring Steel, Hand Forged.

With Shoulder, 10 in. Blade	per dozen, \$11.00
Without Shoulder, 10 in. Blade	“ 9.50

Fig. 208 **HAM STRINGERS, CLOSED EYE**

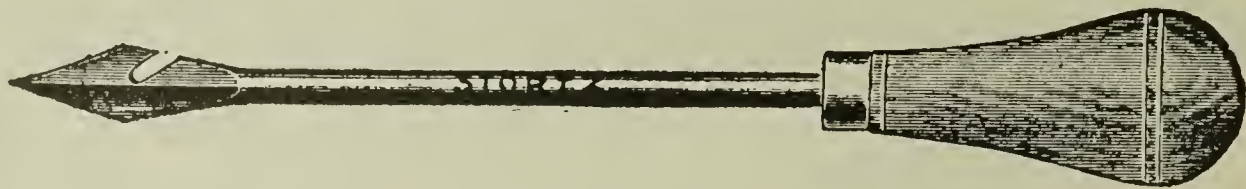


Heavy Spring Steel, Hand Forged.

Forged and Tempered with or without Shoulder or Bolster in front of
Handle. Neat Red Polished Handles. Tangs Riveted through Handles.

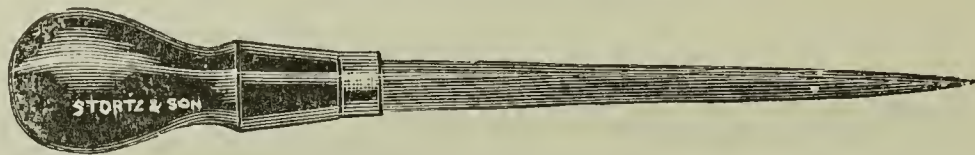
With Shoulder	8 in.	10 in.
Per dozen	\$9.50	\$10.50
Without Shoulder	8 in.	10 in.
Per dozen	\$8.40	\$9.00

Fig. 209 HAM STRINGERS, OPEN EYE



With Shoulder	8 in.	10 in.
Per dozen	\$9.60	\$10.50
Without Shoulder	8 in.	10 in.
Per dozen	\$8.40	\$9.00

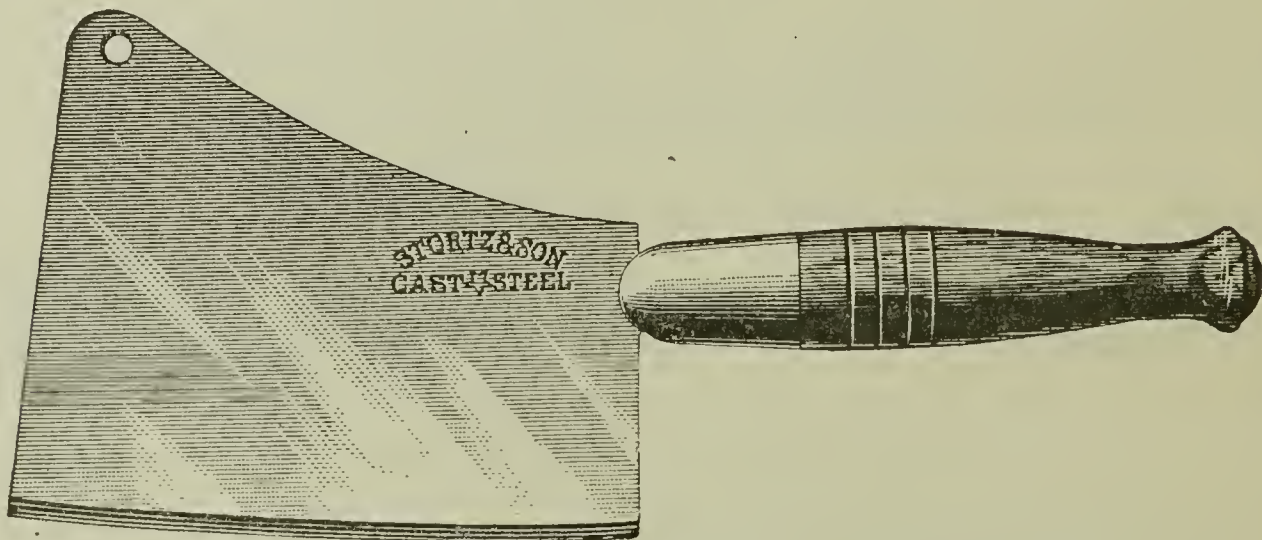
Fig. 210 HAM TESTERS



Spring Steel, Forged and Tempered. Red Wood Polished Handles, with or without Shoulder in front of Handle.

With Shoulder	8 in.	10 in.
Per dozen	\$8.70	\$9.30
Without Shoulder	8 in.	10 in.
Per dozen	\$7.50	\$8.40

Fig. 211 FAMILY CHOPPERS

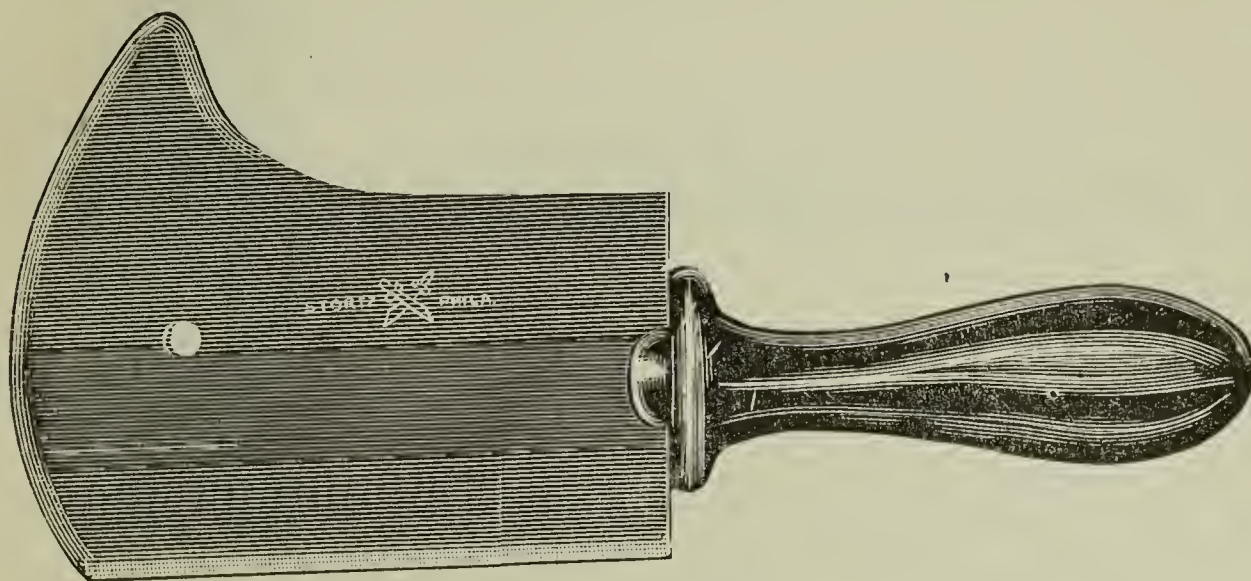


Best Crucible Steel.

This is unquestionably the cleanest, neatest and best finished Chopper in the market, *every blade tested* and fully guaranteed to hold fast in the handle.
No. 1.—7 inchesper dozen, \$7.50

Fig. 212

THE "CONVENIENT" CHOPPER



Combines, in a strong, practical and common-sense way, a KITCHEN
CHOPPER, MINCING KNIFE AND ICE CHISEL.

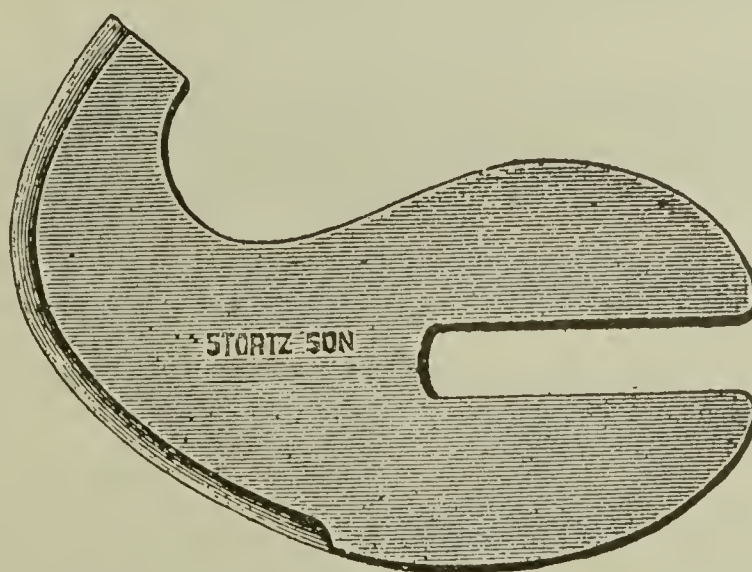
The most useful and convenient Kitchen Tool made, manufactured of a
superior quality of steel, Edges all Tempered, Blades highly Polished, Tangs
Riveted *through* the Handles. Handles finely finished with Bolster.

GUARANTEED A PERFECT TOOL.

Priceper dozen, \$9.75

Fig. 213

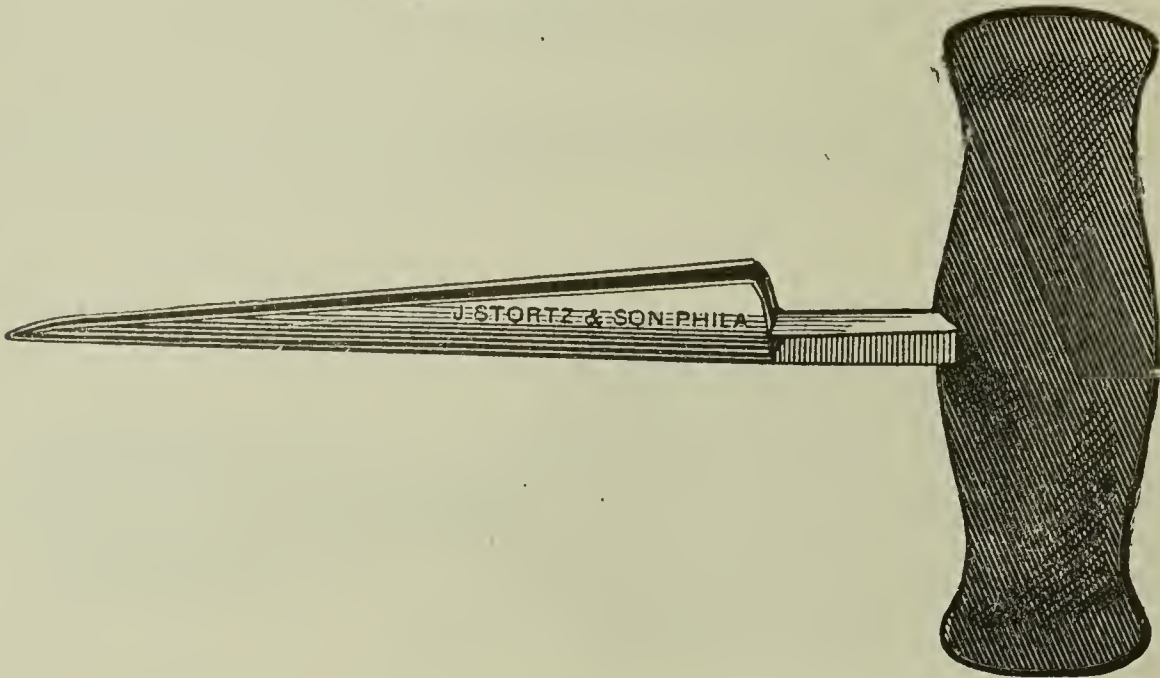
SILENT MEAT CUTTER BLADES



Machine Knives of Superior Quality. All kinds made to order. Prices quoted
on request, according to size.

Fig. 214

CABBAGE CORERS



Forged from Best Cast Steel; very strongper dozen, \$10.50

Fig. 215

BANANA KNIVES



For cutting Bananas neatly from the stem without injuring the fruit.

No. 1.—Fine Redwood Handlesper dozen, \$7.20

Fig. 216

SLOYD OR BENCH KNIFE



Used in Manual Training Schools; also by Pattern-makers and Wood-workers generally. Hand Forged of Highest Grade Jessup Steel, carefully Hardened and Tempered.

Oval Cocobola Handles. Tangs Riveted through Handles.

No. 1.—Blades $\frac{1}{2} \times 3\frac{1}{2}$ inchesper dozen, \$12.00
No. 2.—Blades $\frac{5}{8} \times 4$ inches “ 13.50

LOOM SHEARS

We here introduce improvements in Shears designed for cutting Fringe, Upholstery, Ladies' Dress Trimmings, etc., while on the loom. The following cuts illustrate the patterns in most common use.

The Shear is used as follows:

On the small Shears the bottom blade is fastened to the breast beam of the loom, through the slot shown, as in Figure No. 1; this slot allows for adjusting the Shear, the points are facing inwards; the upper blade is fastened by a strong cord to the lathe of the loom, and thus makes a cut with each movement of the same; a spring attached as in figure No. 6, opens the Shear again, and thus the Shear continues to work automatically as a part of the machine.

The goods being rolled up, are pulled past and between the edges of the Shear, and are cut to any length, depending on the position of the Shear.

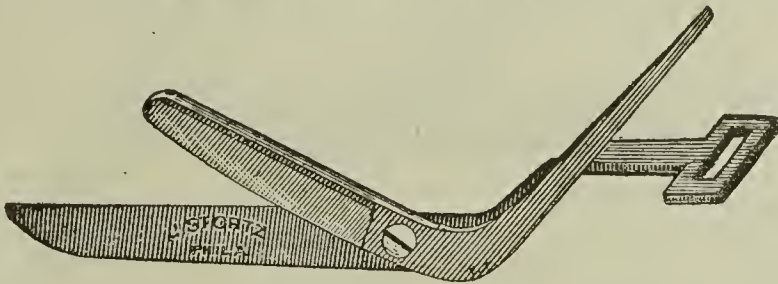
The long Shears, intended for cutting loop woven fringe, is fastened through the slot of the hinge, which hinge gives the long arm of the shear play, so it will be pushed up or down, and not interfere with the passage of the shuttle. After once set, the Shear needs no further attention, as there is nothing to get out of order on it.

There are no more wearing parts than on an ordinary scissors, and they can be kept sharp under ordinary usage for at least six months, as the Shear cuts only on an eighth of an inch of blade at one time; when this point is dull the cord is shortened, and the Shear cuts at another point which is still sharp, and so on until the whole Shear is dull.

We have made over 10,000 Shears, and having them in constant use, they give entire satisfaction, and we feel sure that all Passementerie manufacturers will find it to their advantage to use the same. A trial will be convincing, as the time and labor of cutting by hand is saved, and the work done more satisfactorily.

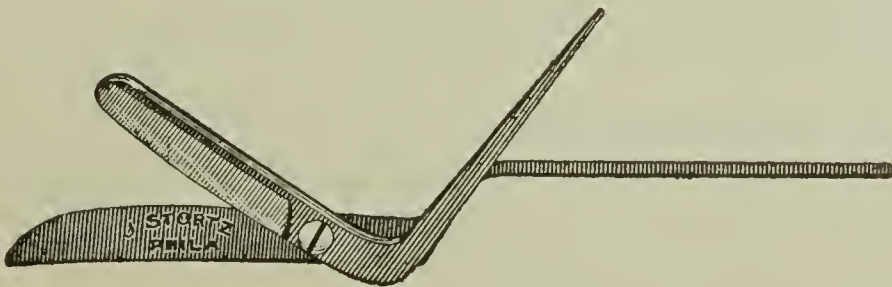
Fig. 217

LOOM SCISSORS

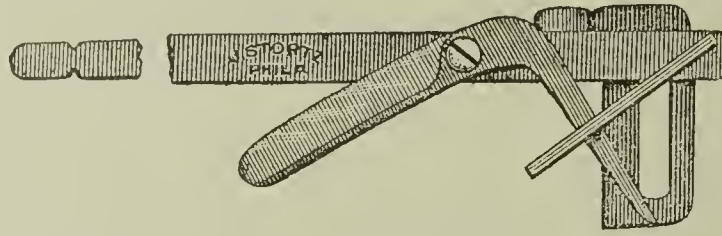


- No. 1.—Offset Blade. Priceper pair, \$3.75
- No. 3.—Same as No. 1, but blade without offset, making cutting edge on line with back of scissors..... “ 3.75

Fig. 218



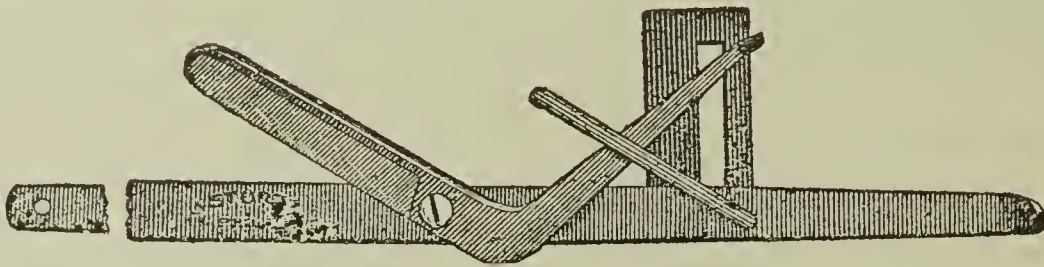
- No. 2.—Price \$3.75

Fig. 219**LOOM SHEARS—Continued**

No. 4.—This Shear is made right and left, and is intended for Loop Fringes.

The above cut represents a left-hand Shear.

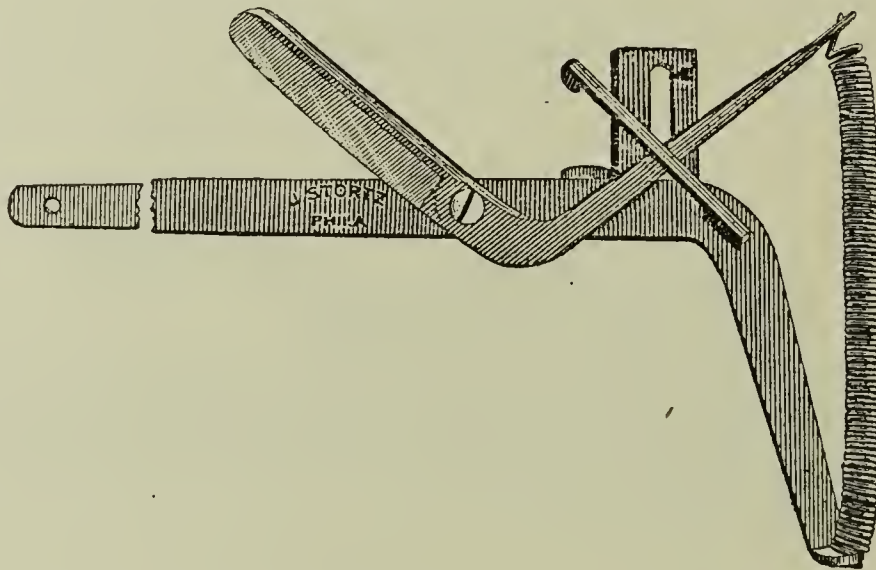
Price, each \$4.50

Fig. 220

No. 5.—Same as No. 4; made right and left.

The above cut represents a right-hand Shear.

Price, each \$4.50

Fig. 221

No. 6.—Made right or left. Above cut represents a right-hand Shear.

Price, each \$4.50

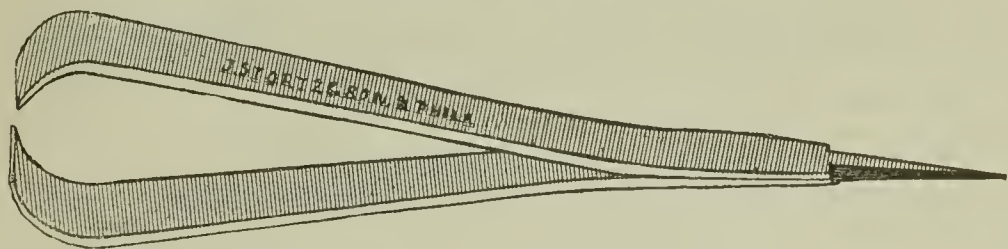
When ordering, please state whether right or left is wanted.

SPECIAL PATTERNS MADE TO ORDER.

Loom Shears and all other Shears and Knife Blades made to order, **GROUND**
and **REPAIRED.**

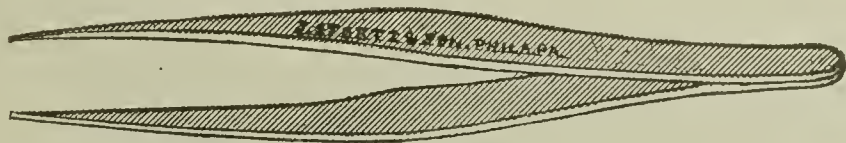
Fig. 222

BURLING IRONS



- No. 1.—Burling Nippers, with Needle Pointsper dozen \$5.25
- No. 2.—Burling Nippers, without Needle Points “ \$5.25

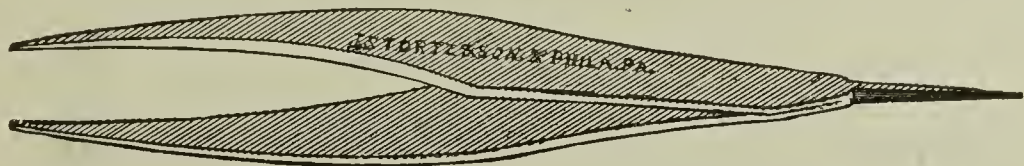
Fig. 223



- No. 3.—Pointed Burling Ironsper dozen, \$5.25

Fig. 224

BURLING IRONS



- No. 4.—Pointed Burling Irons, with needle point.....per dozen, \$5.25

Fig. 225

CHENILLE OR WEFT NIPPERS



In general use by all Chenille and Rug Weavers, and all weaving where it is necessary to clamp the pattern to the Loom or Warp.

Best Tempered Spring Steel.....per dozen, \$4.50

Fig. 226

FULLER NEEDLES



Made of Special Oil Tempered Spring Steel. Hard Red Wood Handles, with or without Bolster or Shoulder in front of Handle.

Size	10 in.	12 in.	10 in.
Without Bolster	per dozen, \$9.75	\$9.75	\$9.75
With Bolster	per dozen, 11.25	11.25	11.25

Fig. 227

CLOTH HOOKS



	Tempered Spring Steel.		
Size	6 in.	7 in.	8 in.
Per dozen	\$3.75	\$4.00	\$4.25

Fig. 228

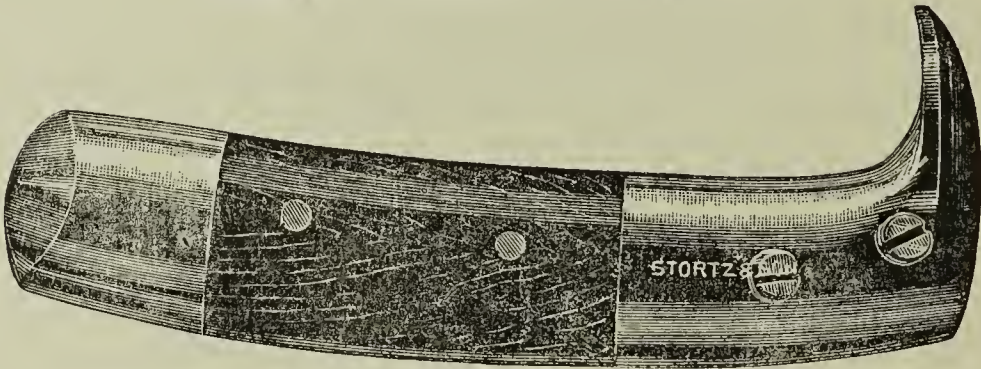
CLOTH KNIVES



Size	18 in.	20 in.	22 in.	25 in.
Price each				

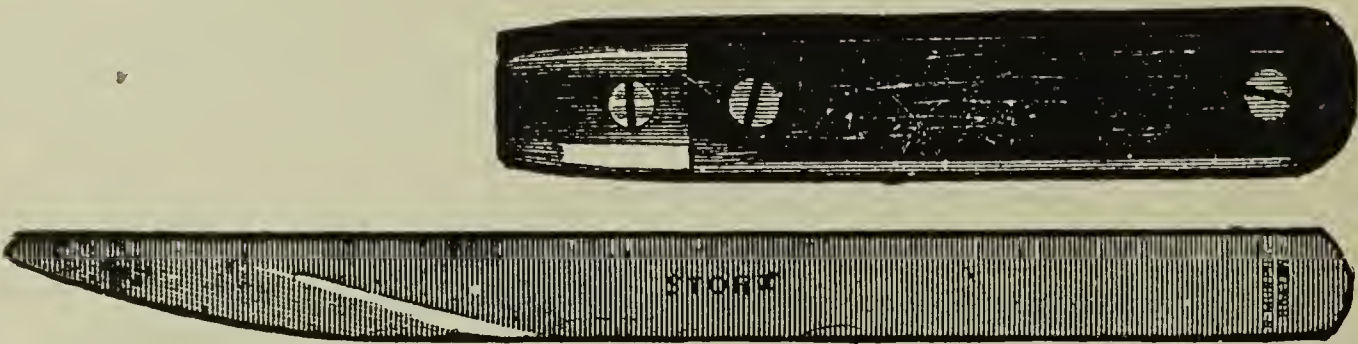
Fig. 229

CLOTH KNIFE HANDLES



Highly Polished Brass, Rosewood Sides.
Price, each

Fig. 230 SHIRT CUTTERS' KNIVES AND HANDLES



Also Used for Collars, Cuffs, Patterns, Etc.

These Blades receive our most careful attention, using the very best Steel so as to assure a reliable blade in every particular.

Blades only	per dozen	\$6.75
Handles, Rosewood Sides	"	16.20

Fig. 231

CHENILLE KNIFE BLADES

Extra fine Jessup Cast Steel.

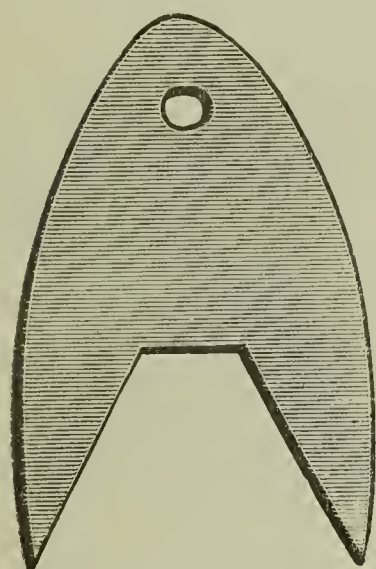
Carefully Hardened and Temperedper dozen, \$6.75

SPECIAL BLADES, KNIVES AND TOOLS OF ALL KINDS MADE TO ORDER.

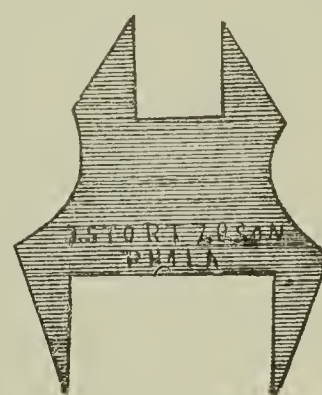
Fig. 232

PICK MEASURES

Fig. 233

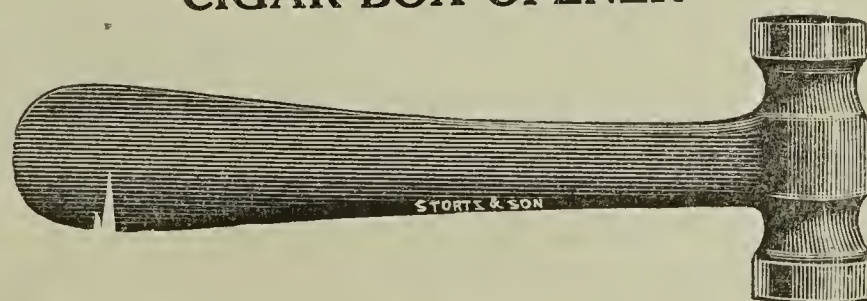


1 in. Measure.....per dozen, \$1.20

 $\frac{1}{2}$ x 1 in. Measure,...per dozen, \$1.50**CIGAR BOX OPENERS**

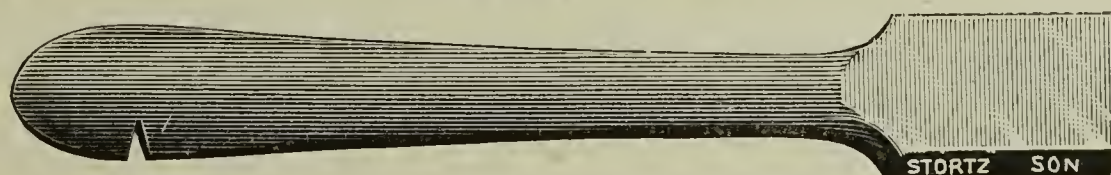
In general use by Cigar Makers and Dealers, and often used for advertising purpose, with ad. stamped on them. Special prices quoted on quantity lots.

Fig. 234

CIGAR BOX OPENER

No. 2.—All Steel; 4 inches long.....per dozen, \$3.75
Hand Forged Steel.

Fig. 235

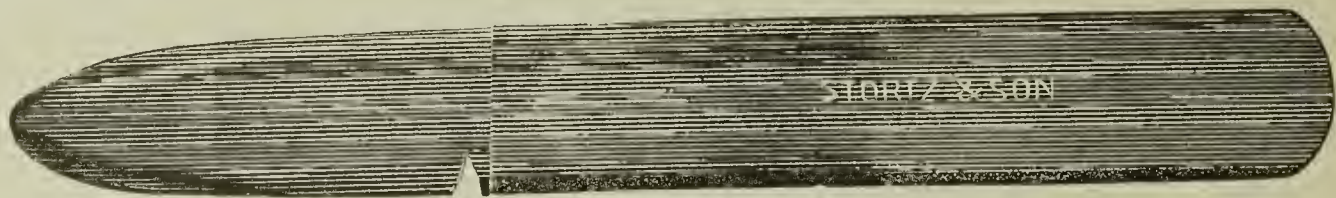
CIGAR BOX OPENER

Hand Forged Steel.

No. 3.—Oyster Knife pattern; $5\frac{1}{2}$ in. longper dozen, \$3.75

Fig. 236

CIGAR BOX OPENER

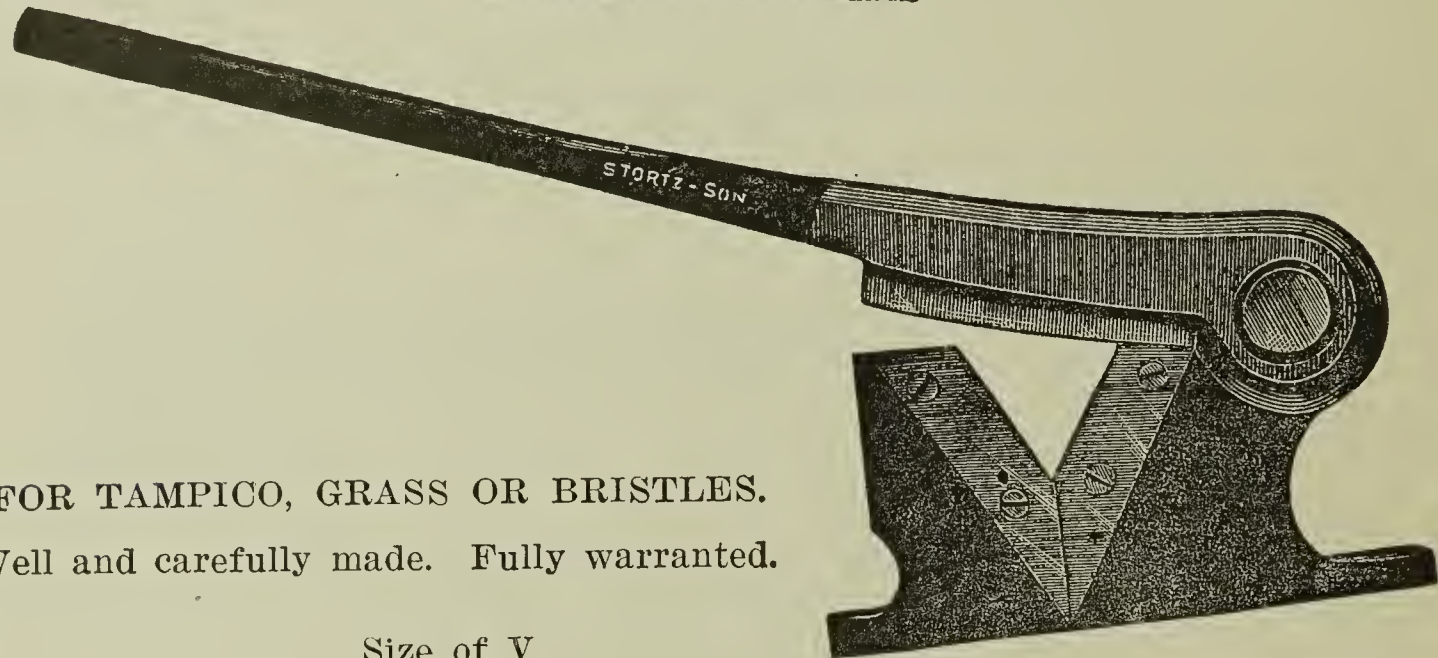


Hand Forged Steel.

No. 4.—Wide Blade; $\frac{3}{16}$ x $\frac{7}{8}$ x6 in. long.per dozen, \$3.75

Fig. 237

TAMPICO SHEARS

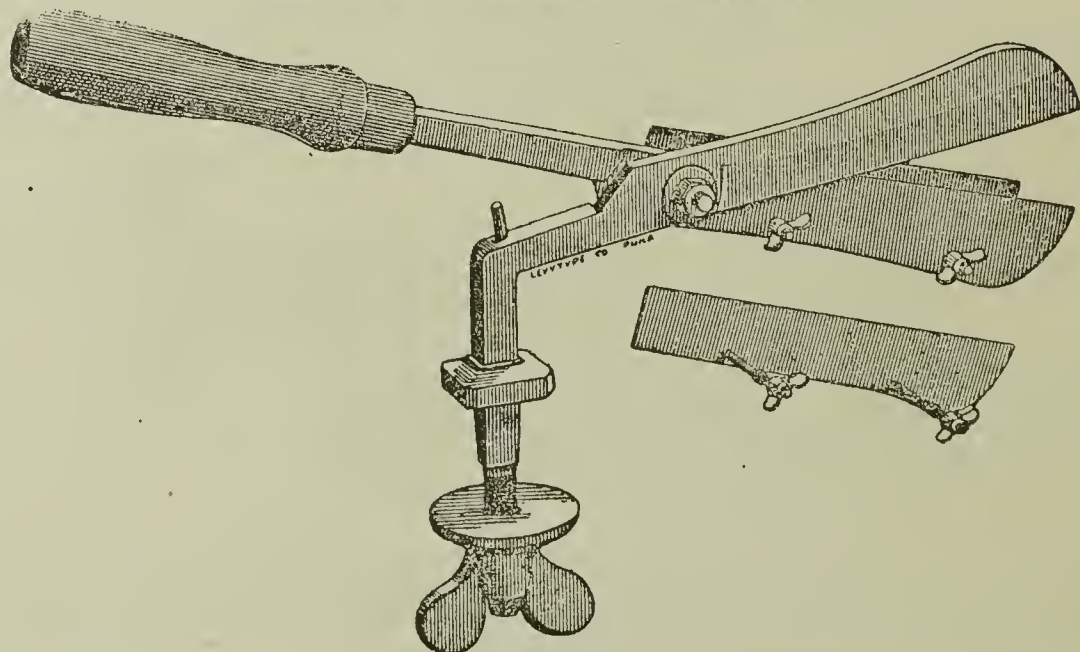


FOR TAMPICO, GRASS OR BRISTLES.
Well and carefully made. Fully warranted.

	Size of V		
No. 0.—	$4\frac{1}{2}$ x $3\frac{1}{2}$ in.	.....each,	\$25.50
No. 1.—	$4\frac{3}{4}$ x3 in.	.....“	31.50
No. 2.—	$7\frac{1}{2}$ x $6\frac{1}{2}$ in.	.....“	34.50
No. 3.—	9 x7 in.	.....“	39.00
GAUGES		.....“	4.50

Fig. 238

BRUSH MAKERS' SHEARS



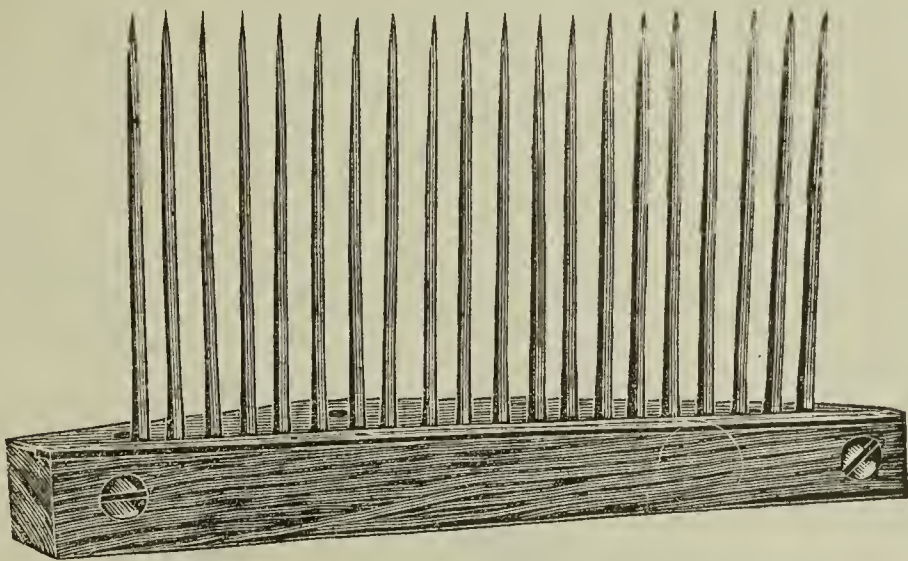
These Shears are made of a SUPERIOR QUALITY STEEL, and each pair fully warranted. Special sizes to order.

10 inch cutting edge	.....each	\$30.00
12 inch cutting edge	.....“	31.50
Gauges, extra	.....“	3.00

The Gauges are made of Steel and have two adjustable nuts, so that they can be set to cut any length of Bristle without loss of time.

Fig. 239

BRUSHMAKERS' COMBS



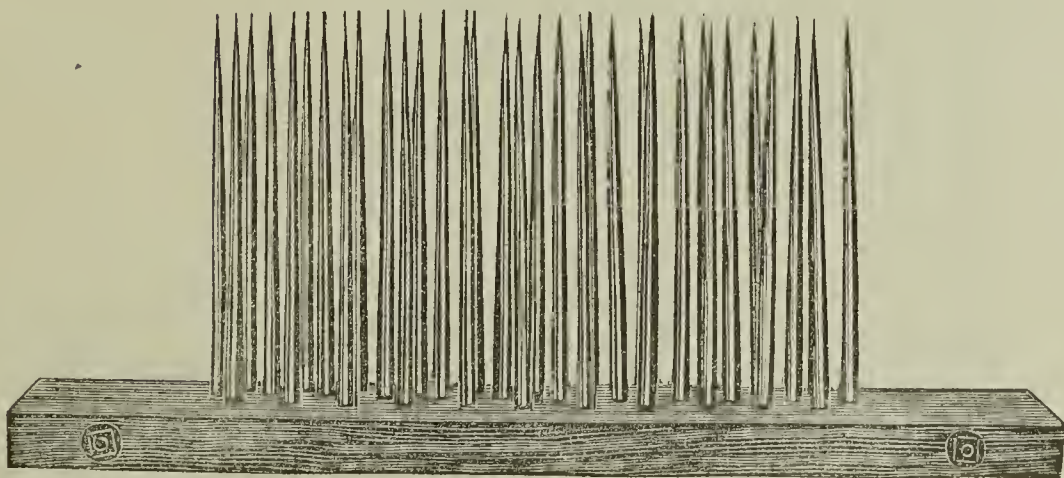
EXTRA CAST STEEL, SPRING TEMPERED TEETH.

18 Teeth $\frac{1}{2}$ in. aparteach \$11.25

Special number and space of teeth to order.

Fig. 240

BRUSHMAKERS' HACKEL



35 HACKEL TEETH IN 3 ROWS.

Teeth Carefully Hardened and Tempered.....each, \$12.75

SPECIAL SHEARS, KNIVES AND TOOLS FOR BRUSH MAKERS MADE TO ORDER

THE STORTZ PATENT CHEESE CUTTER

Table Revolves on Ball-Bearing Rollers.

Knife always up and ready to cut.

The Knife will cut into the centre of
a 36-inch Cheese; is of the Best
Steel, Plated with First
Quality Block Tin.

The Machine is well
built and strong in
every part; nothing
to get out of order.

Will last a lifetime.



For cutting large loaves of Swiss
Cheese, this machine is of great
value. It makes a clean cut, and
does not permit any pieces, which
take the profit from the merchant.

No heavy strain on the body
which is required with an ordinary
knife.

Saves Money

Saves Labor

Saves Time

Fig. 241

For Information, Price, etc., write to

JOHN STORTZ & SON, INC.

SOLE MANUFACTURERS OF THIS MACHINE

210 and 212 Vine St.,

Philadelphia

PIONEER AXES

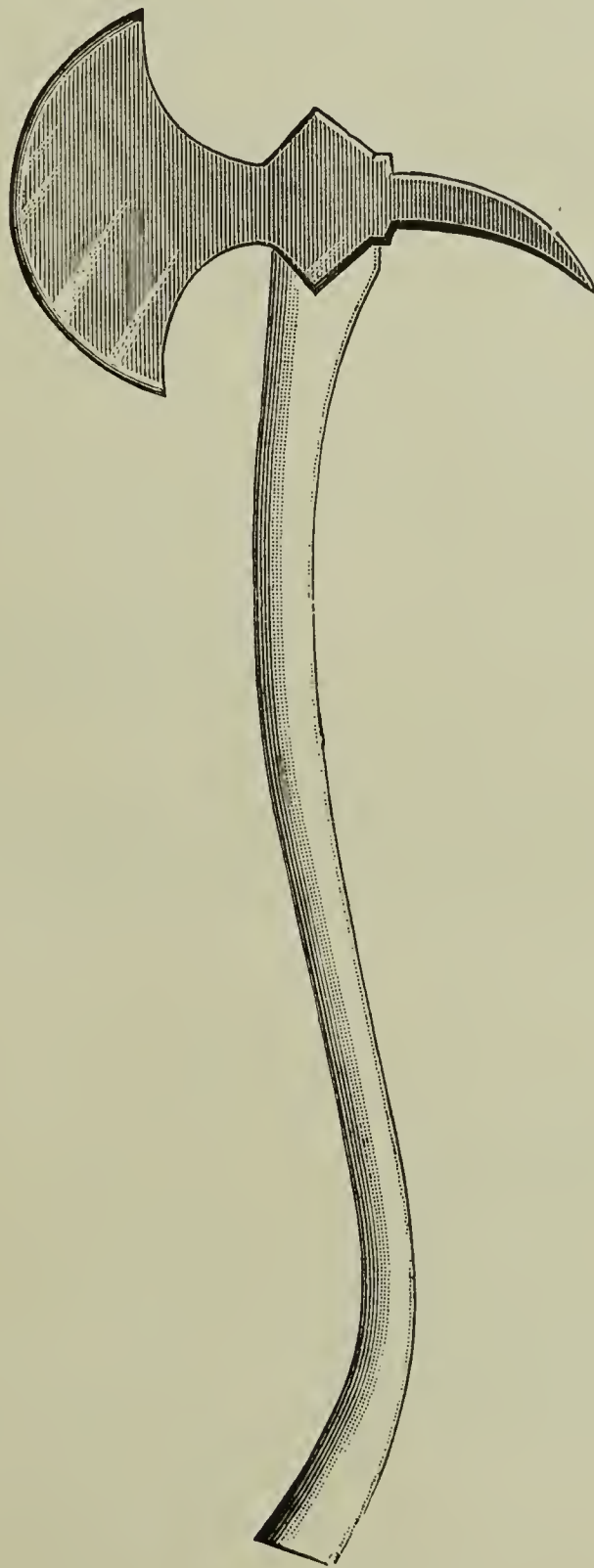
FOR

CAMPAIGN CLUBS AND SOCIETIES

Fig. 242

These Axes
are made of
an extra fine
quality of met-
al, giving great
strength, bea-
uty of shape
and lightness.

well finished,
and are not
weighty and
tiresome to
carry.



**Full Polished
or Nickel
Plated.**

**Hickory
Handles**

**Prices Quoted
on Application**

CEMENT WORKERS' TOOLS IN BRONZE AND IRON

TO THE TRADE

We present this, our line of the J. Stortz & Son, Inc., None Better; also Acme Brands of Cement Workers' Tools, confident of manufacturing the most complete line of these tools in the United States. We wish to state that our tools are made with care in every particular, and refer with pride to our reputation as manufacturers of edge tools for the past sixty-nine years.

They are of two grades—Bronze and Iron. The Bronze Tools are made of hard bronze of a composition insuring the best wearing qualities and greatest toughness, and will not rust, as it stands exposure and moisture.

The Iron Tools are made of clean, hard gray iron, and are therefore very serviceable as well as economical.

The handles conform to the hand, are of hard maple, and cannot become loose or turn, as they are not only held by screws, but also by lugs on the inside of the handle frame.

The workmanship is of the highest order, and being highly finished there are

NONE BETTER

To meet the demand for a line of low priced tools, we have added a smaller line to our extensive assortment of cement tools, and offer them to the trade under the Special Brand of

“ A C M E ”

They embrace all the numbers in most general use. Though smaller and lighter than our regular goods, they are not as small as some of the tools offered to the trade, but of such size and shape as to meet the necessity and approval of the average cement worker.

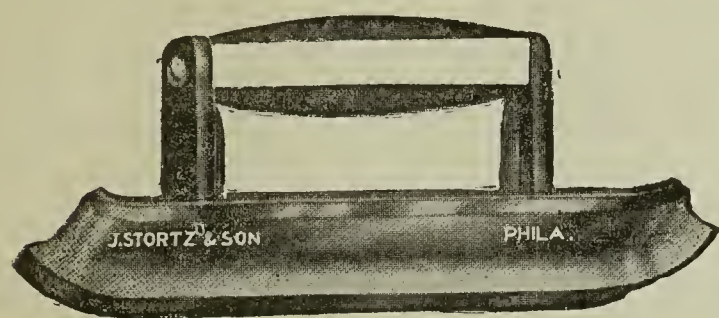
All claims must be made within five days after receipt of goods and invoice.

Respectfully,

JOHN STORTZ & SON, INC.,

210-212 Vine St., Philadelphia, Pa., U. S. A.

Fig. 297 ACME JOINTER, BOTH ENDS CURVED

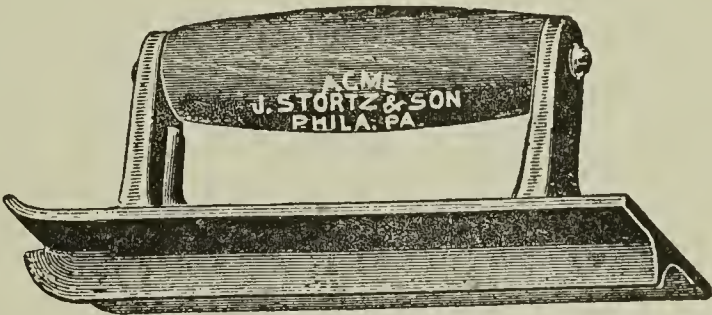


Makes a medium-sized joint especially designed for pavement work. 6½ in. x 3 in.

No. 201.—Bronze, polished	price,	
No. 202.—Iron	"	\$1.00

Fig. 298 ACME JOINTER, STRAIGHT END

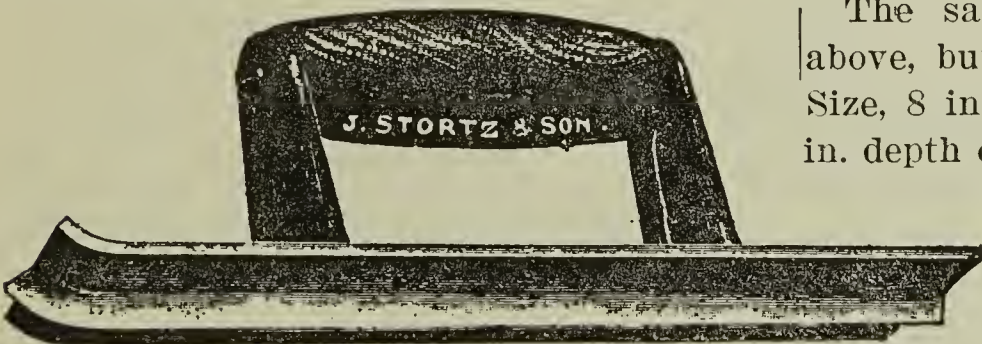
Makes a medium-sized joint, can be used in corners or for any purpose where a joint is required; especially designed for pavement work.



Cut ½ in. deep, ¼ in. wide.

No. 203.—Bronze, polished, 6 in. x 3 in.....	price,	
No. 204.—Iron, 6 in. x 3 in.....	"	1.00
No. 199.—Bronze, polished, 9 in. x 3 in.....	"	
No. 200.—Iron, 9 in x 3 in.....	"	1.25

ACME STRAIGHT END JOINTER, NARROW PATTERN
Fig. 299



The same general design as above, but longer and narrower. Size, 8 in. long, 1¾ in. wide, ½ in. depth of cut.

No. 217.—Bronze, polished	price,	
No. 218.—Iron	"	1.00

Fig. 300 ACME DRIVEWAY GROOVER

They are used to make the joints or grooves in walks, driveways or where wide grooves are desired.

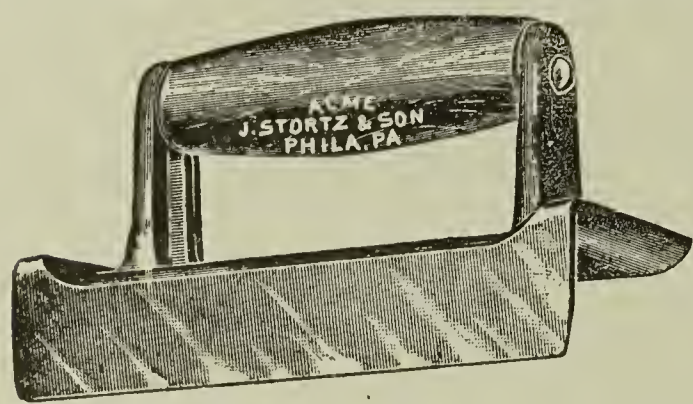
Cut ½ in. deep, ⅝ in. wide.



No. 205.—Bronze, polished, 6¼ in. x 2½ in.....	price,	....
No. 206.—Iron, 6¼ in. x 2½ in.	"	1.00
No. 235.—Bronze, polished, 9 in. x 3 in. ....	"	....
No. 236.—Iron, 9 in. x 3 in.	"	1.25

Fig. 301

ACME SQUARE EDGER



This tool is used for finishing the edges of steps or other work that requires square edges.

6 in. x 3 in. x 1½ in.

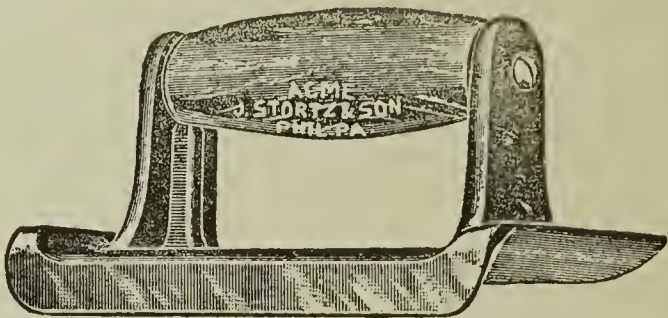
No. 207.—Bronze, polished	price,
No. 208.—Iron	“ 1.25

Fig. 302

ACME BEVEL EDGER

To bevel the edges of steps, corners of curbs, or work that requires a beveled or chamfered edge.

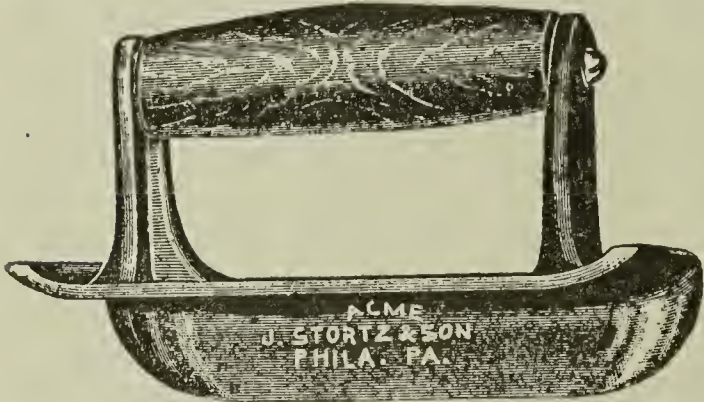
6 in. x 2¾ in., ⅝ in. bevel.



No. 209.—Bronze, polished	price
No. 210.—Iron	“ 1.00

Fig. 303

ACME CURB TOOL OR EDGER



Curb tools or edgers are used to round and finish the edges of curbs, etc., or any work requiring perfectly rounded edges; made with ⅜ or ¾ inch radius.

6 in. long, 3 in. wide.

No. 211.—Bronze, polished, ⅜ in. radius.....	price,
No. 212.—Iron, ⅜ in. radius.....	“ 1.00
No. 213.—Bronze, polished, ¾ in. radius.....	“
No. 214.—Iron, ¾ in. radius.....	“ 1.00

Fig. 304

ACME CURBING EDGER

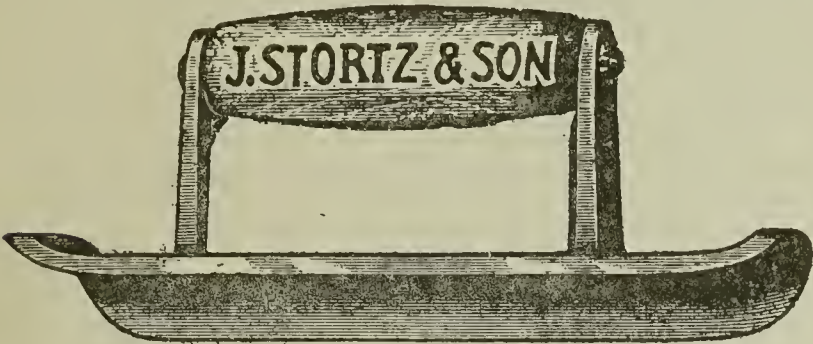
Especially designed to finish the edge of curbing or other work where a large round edge is desired.

6½ in. long, 3½ in. wide



No. 215.—Bronze, polished, 1½ in. radius.....	price,
No. 216.—Iron, 1½ in. radius.....	“ 1.25

Fig. 305 ACME EDGER, NARROW PATTERN



Used for the same purposes as the other numbers of Curb Tools or Edgers, but it is only 1¾ inches wide, this being found a desirable width for certain class of work.

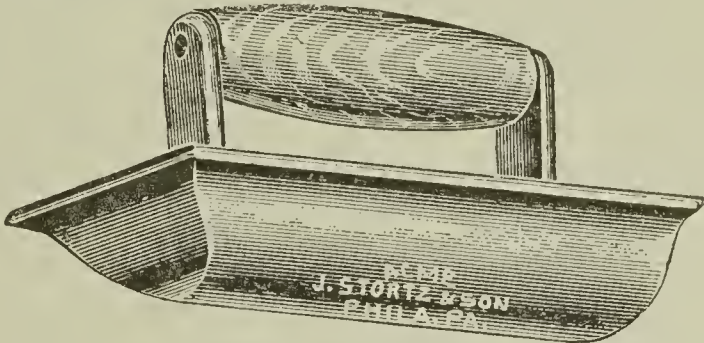
8 in. long, 1¾ in. wide
3⁄8 in. in radius.

No. 219.—Bronze, polished	.....price	.....
No. 220.—Iron	.....“	1.00

Fig. 306 ACME GUTTER TOOL

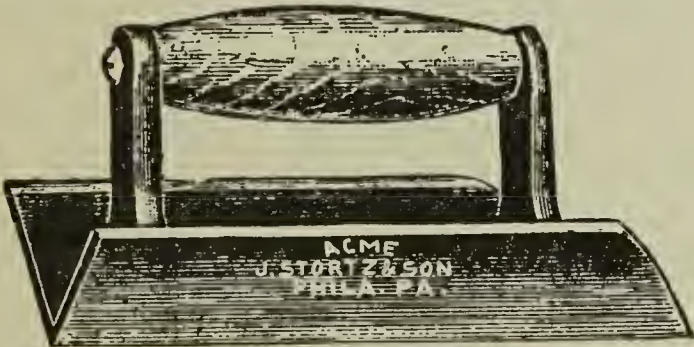
Will be found a labor saver in making a neat sidewalk gutter.

6 in. x 3½ in. x 1 in.



No. 223.—Bronze, polished	.....price,	.....
No. 224.—Iron	.....“	1.25

Fig. 307 ACME INSIDE CORNER TOOL



Inside Corner or Angle Tools are used for finishing the inner corners of steps or angles; one corner of the tool projecting allows working closely in corners of frame work.

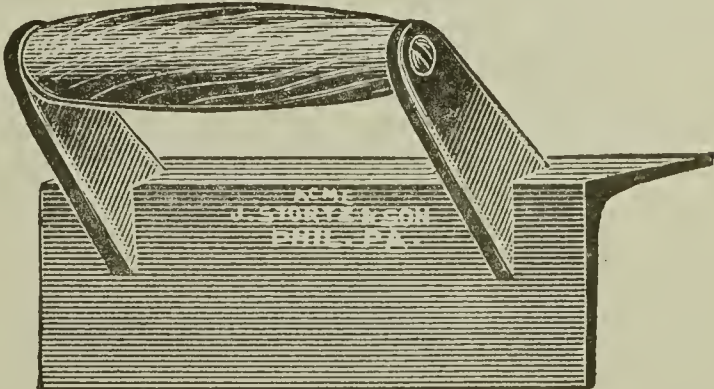
6 in. x 2 in. x 2 in.

No. 225.—Bronze, polished	.....price,	.....
No. 226.—Iron	.....“	1.00

Fig. 308 ACME OUTSIDE CORNER TOOL

Outside Corner or Angle Tools are used to finish the outside sharp angles of steps, copings or other work requiring sharp angles.

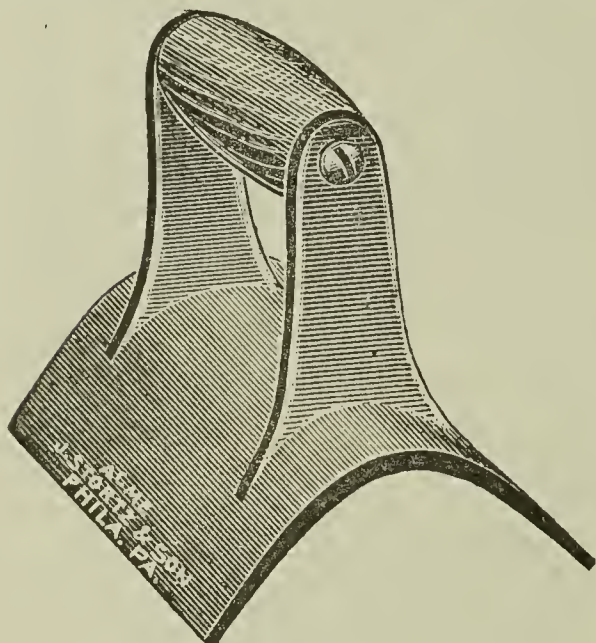
6 in. x 2 in. x 2 in.



No. 227.—Bronze, polished	.....price,	.....
No. 228.—Iron	.....“	1.00

Fig. 309

ACME OUTSIDE ROUND ANGLE TOOL



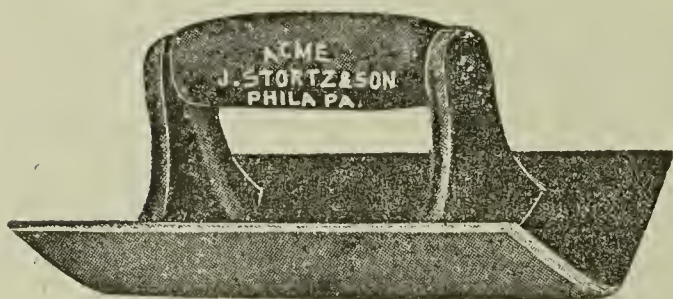
Outside Round Angle Tools are for the same purposes as Outside Corner Tools. where round angles are desired.

6 $\frac{3}{4}$ in. x 2 in. x 2 in.
1 inch radius.

No. 229.—Bronze, polishedprice,
No. 230.—Iron “ 1.25

Fig. 310

ACME INSIDE ROUND ANGLE TOOL



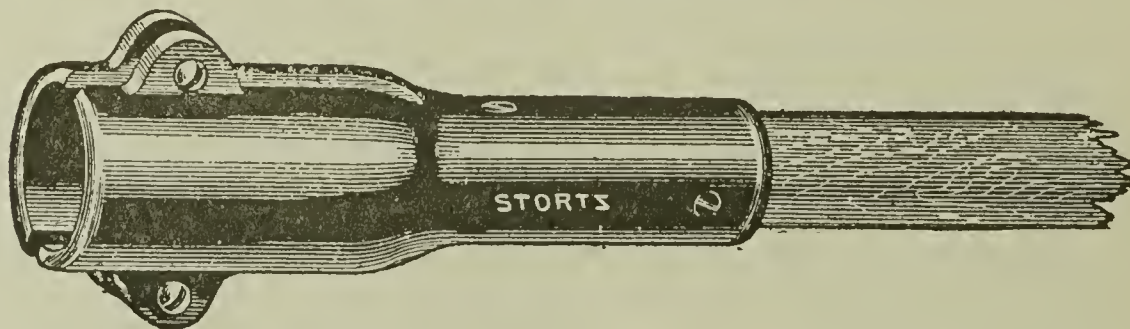
Are used for the same purposes as the Inside Corner Tool on work requiring a round instead of a sharp angle.

6 $\frac{1}{4}$ in. x 2 in. x 2 in.
1 inch radius.

No. 231.—Bronze, polishedprice,
No. 232.—Iron “ 1.25

Fig. 314

EXTENSION HANDLES



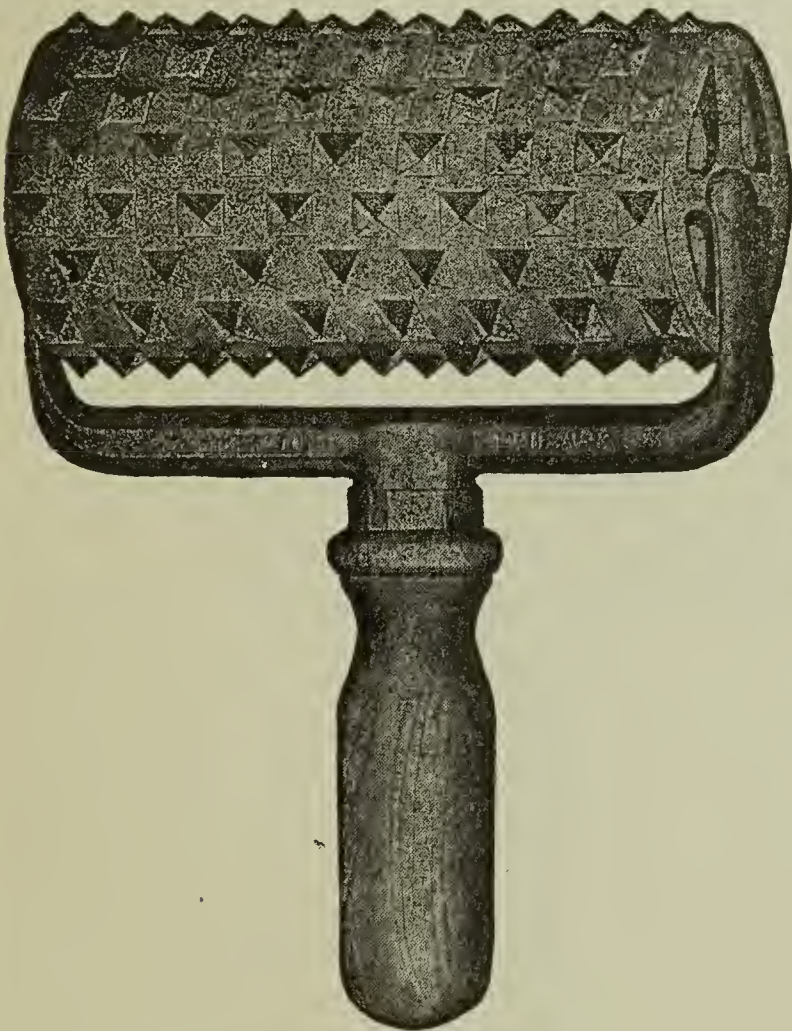
Extension Handles are used to attach to the rollers when long handle is required. They can be securely fastened, are made of malleable iron, with 4 $\frac{1}{2}$ foot hickory handle.

No. 95.—Extension Handleprice, \$2.25

CEMENT ROLLERS

To meet the demand for a low-price *Indentation Roller* we have added *Iron Rollers* to our list. These goods will be found *first-class* in every respect; but we would caution users to see that the teeth are thoroughly cleaned and oiled *after* using, so as to prevent rusting, and thereby causing the Tool to hang or drag in the indentations.

Fig. 315 IRON INDENTATION OR DOT ROLLER



As an extra cheap indentation roller, we have added this roller to our already extensive assortment. It is made of one solid piece and has four spokes, which makes it much stronger than all other low-priced rollers on the market.

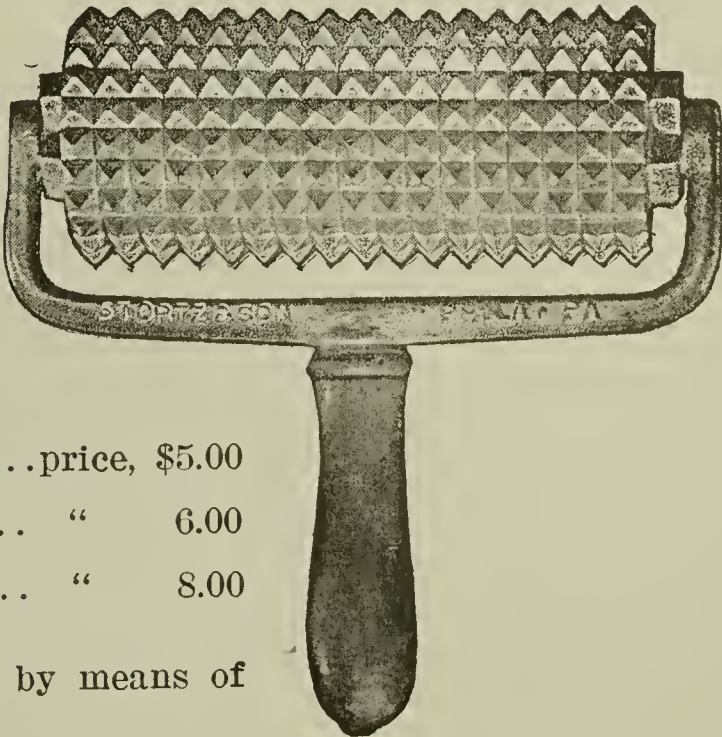
The teeth are placed in alternate rows and not milled or machine finished, as all our other Dot Rollers are.

Iron Aluminum Finish
6 in. long, 4 in. diam.

No. 00.—.....Price, \$4.20

Fig. 316 IRON INDENTATION OR DOT ROLLER

Milled and Machine Finished.
Aluminum Finish.



No.	1/2.—Iron, 6 in.	.....price, \$5.00
No.	1 1/2.—Iron, 7 1/2 in.	..... “ 6.00
No.	2 1/2.—Iron, 10 in.	..... “ 8.00

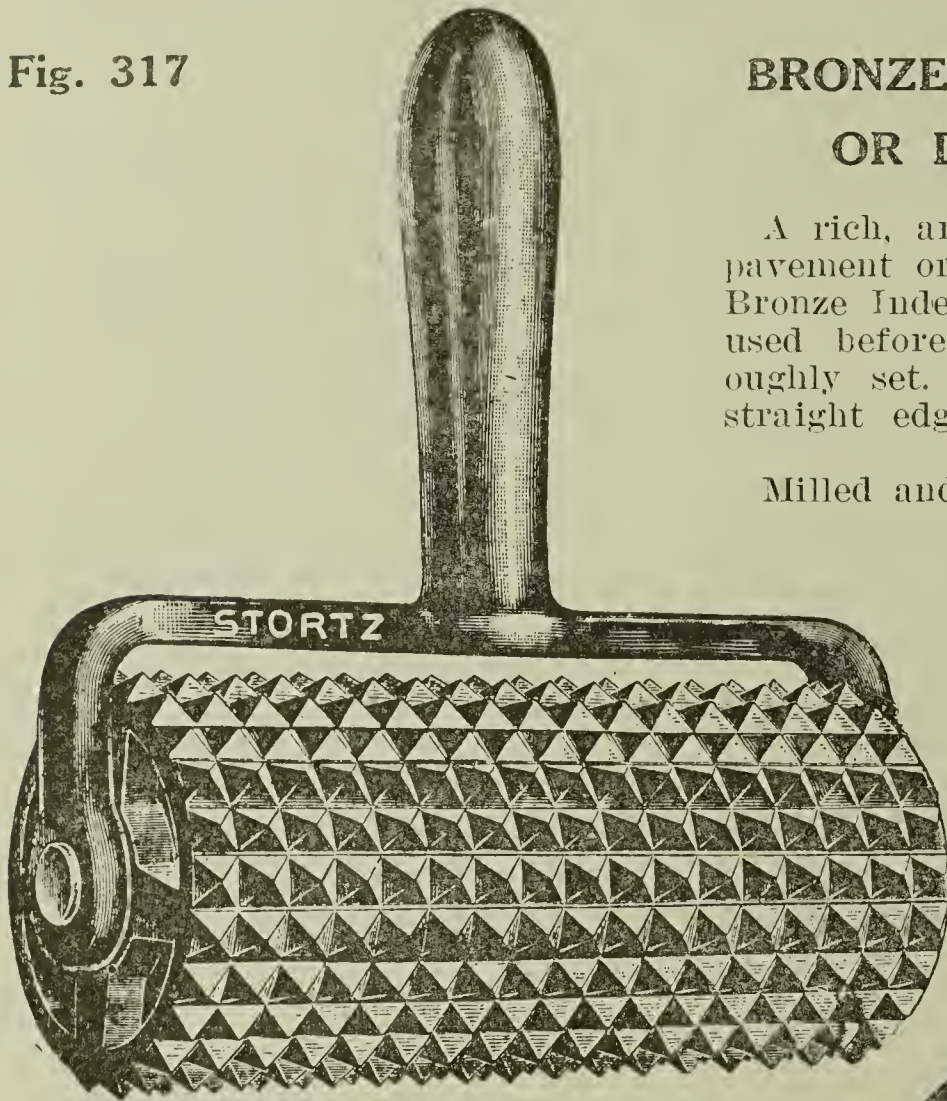
Any length of handle can be used by means of our Extension Handle.

Fig. 317

BRONZE INDENTATION OR DOT ROLLER

A rich, artistic effect is given to a pavement or walk by the use of this Bronze Indentation Dot Roller. It is used before the material has thoroughly set. It can be used with a straight edge if desired.

Milled and Machine Finished.

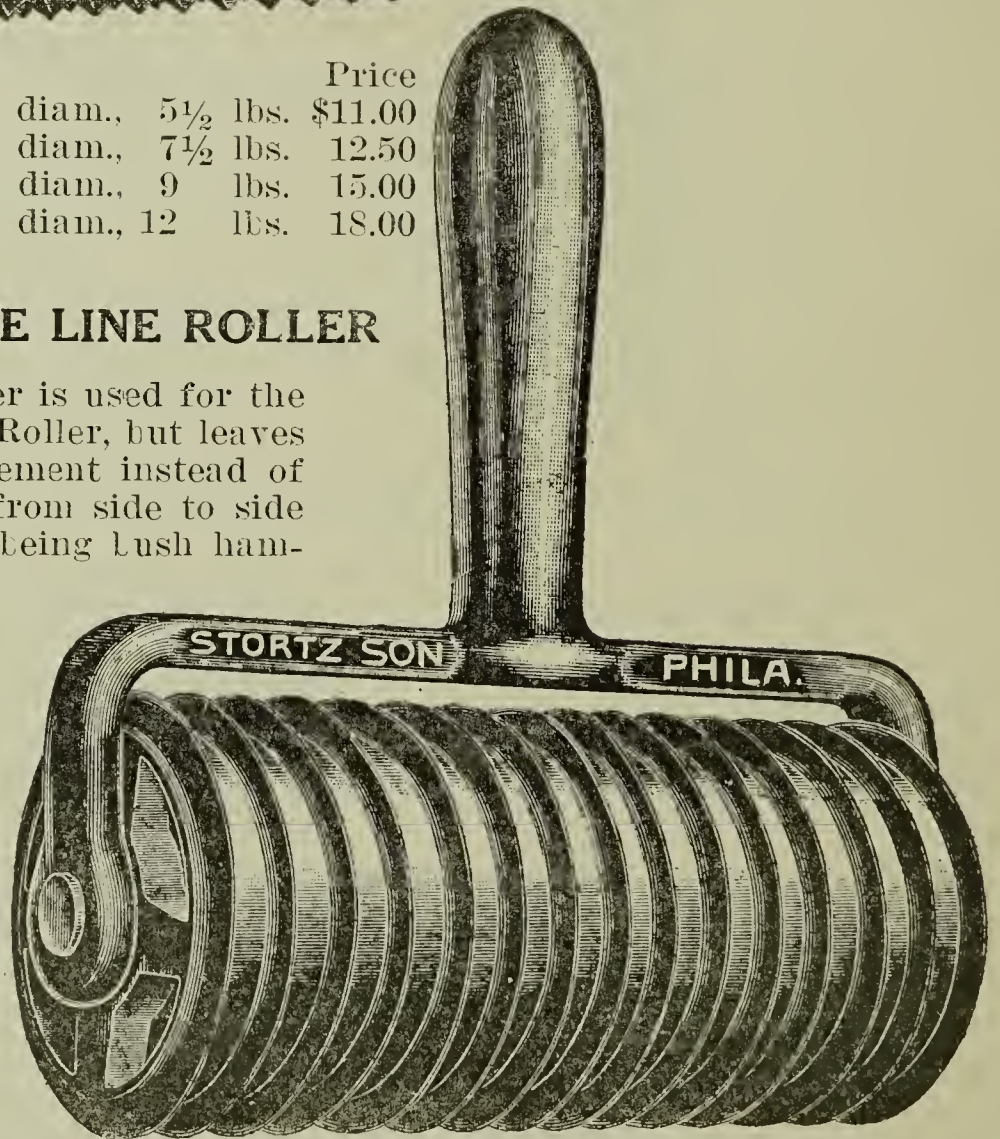


No.				Price
0. — 6	in. long,	3¼ in. diam.,	5½ lbs.	\$11.00
1. — 7½	in. long,	3¼ in. diam.,	7½ lbs.	12.50
2x.—10	in. long,	3½ in. diam.,	9 lbs.	15.00
2. —12	in. long,	3¼ in. diam.,	12 lbs.	18.00

Fig. 318 BRONZE LINE ROLLER

This hard Bronze Roller is used for the same purpose as the Dot Roller, but leaves fine lines across the pavement instead of indentations. By using from side to side gives the appearance of being lush hammered.

Lines can be spaced to suit purchasers.

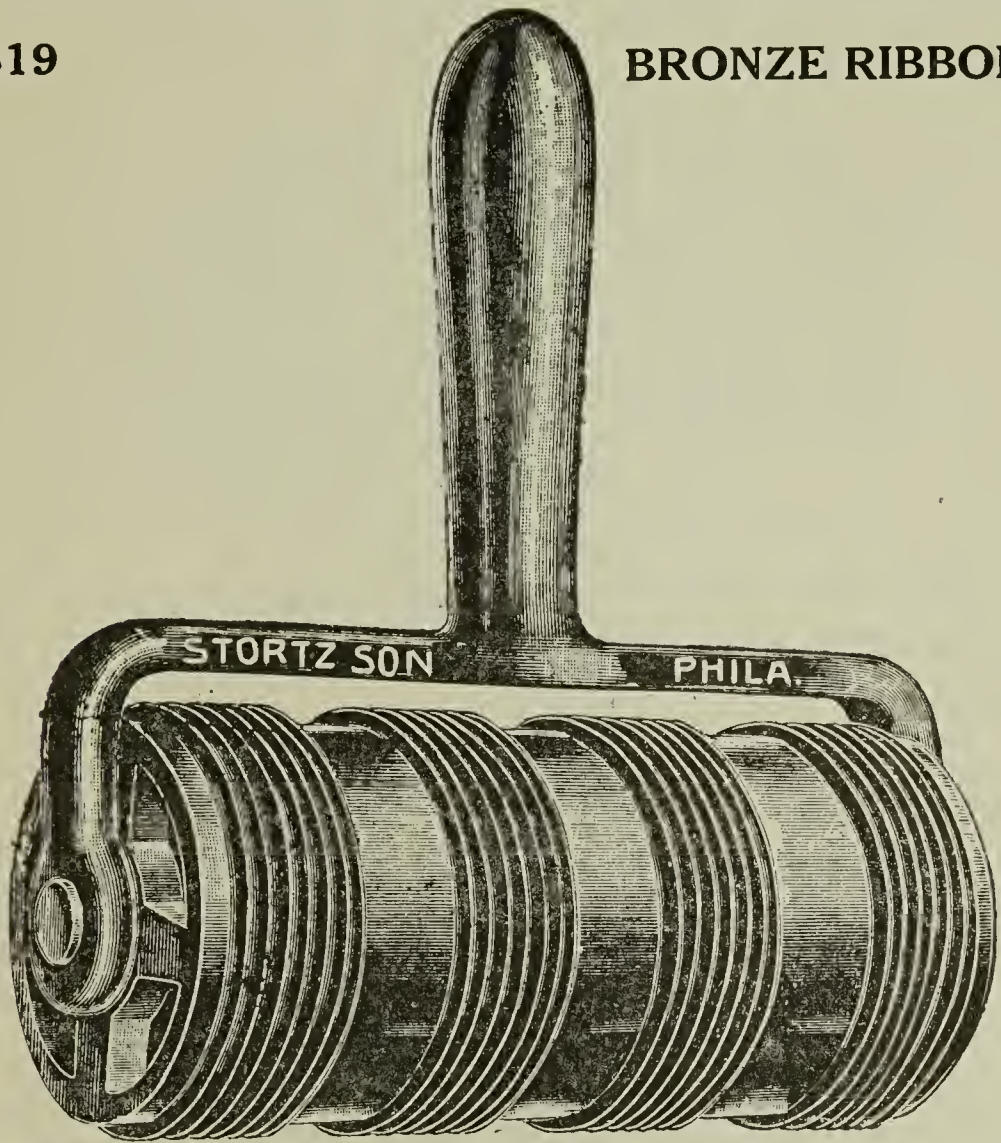


No. 3.—	7½ in. long,	3¼ in. diam.,	grooves ⅜ in. apart,	8 lbs...	price, \$13.50
No. 4.—	12 in. long,	3¼ in. diam.,	grooves ⅜ in. apart,	11 lbs...	" 18.00
No. 5.—	7½ in. long,	3¼ in. diam.,	grooves ½ in. apart,	8 lbs...	" 13.50
No. 6.—	12 in. long,	3¼ in. diam.,	grooves ½ in. apart,	11 lbs...	" 18.00

Any length of handle can be used by means of our Extension Handle.

Fig. 319

BRONZE RIBBON ROLLER

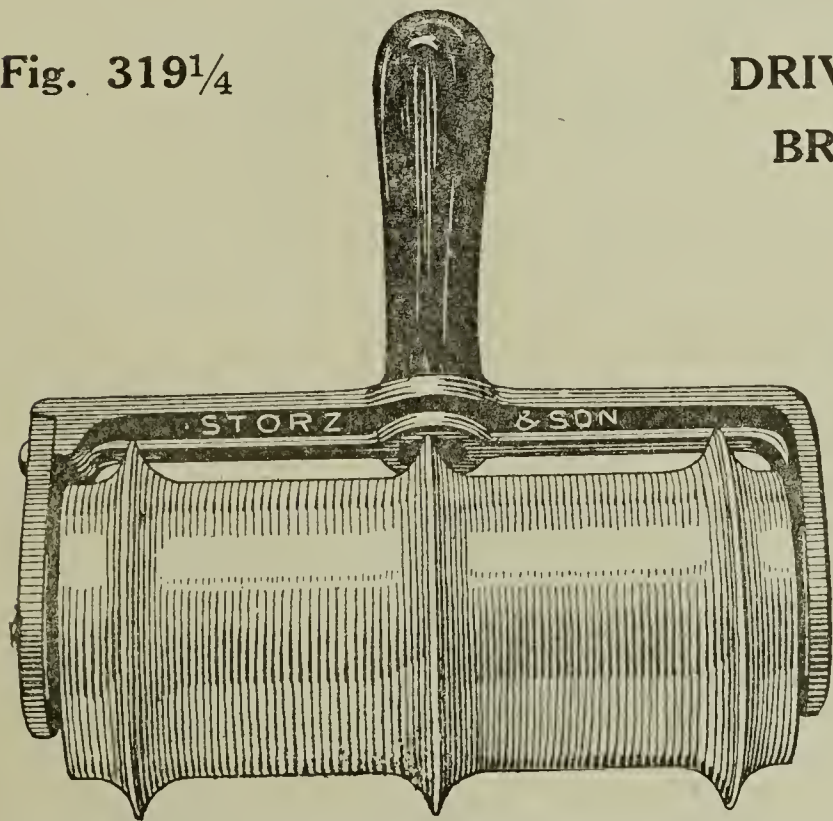


These Bronze Rollers are used for the same purpose as those on the preceding pages, and give a ribbon-like effect. Each ribbon is an inch in width, and is separated from the other by an inch of plain surface. Very ornamental.

- No. 7.— 7½ in. long, ¾ in. diam., 7½ lbs.price, \$13.50
No. 8.—12 in. long, ¾ in. diam., 10½ lbs. “ 18.00

Fig. 319¼

DRIVEWAY ROLLER
BRONZE OR IRON



Used for grooving the floors of stables, driveways, etc., to prevent slipping and assure a good foothold for horses, etc.; also for drainage. Very practical.

Price

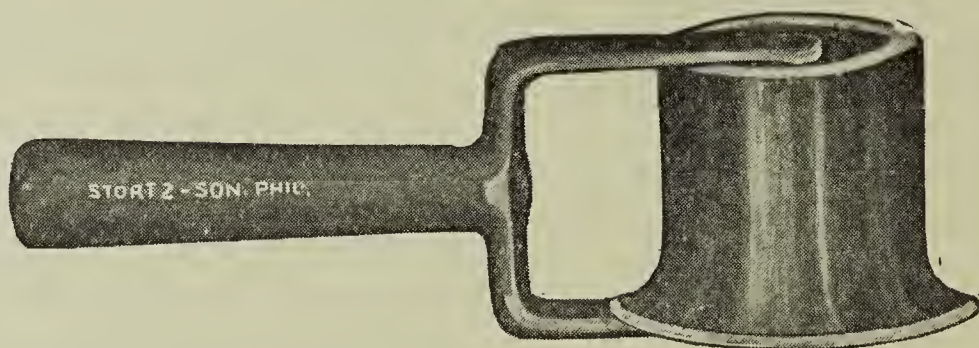
61. —Bronze, polished, 7½ in. long, 4 in. diam., 3 grooves, 3 in. apart..\$13.50
61½.—Iron, polished, 7½ in. long, 4 in. diam., 3 grooves, 3 in. apart.. 7.50
62. —Bronze, polished, 12 in. long, 4 in. diam., 5 grooves, 3 in. apart.. 18.00

Any length of handle can be used by means of our Extension Handle

Fig. 319¹/₄ BRONZE OR IRON STAR ROLLERS

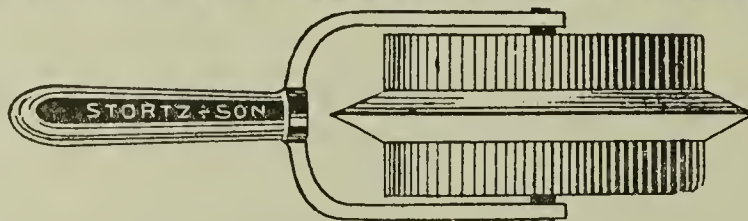
These Rollers give a pavement a beautiful and artistic appearance. Made of bronze or iron. 7¹/₂ inches long, 3¹/₂ inch diameter.

No. 45. —Bronze, polished	price	\$13.50
No. 45 ¹ / ₂ .—Iron, aluminum finish	"	7.00

Fig. 320 A ROLLER EDGER

Made of bronze and iron on the same principle as the Roller Jointer and Fluted Roller. Particularly useful on inside circles or where inconvenient to use the regular Edgers.

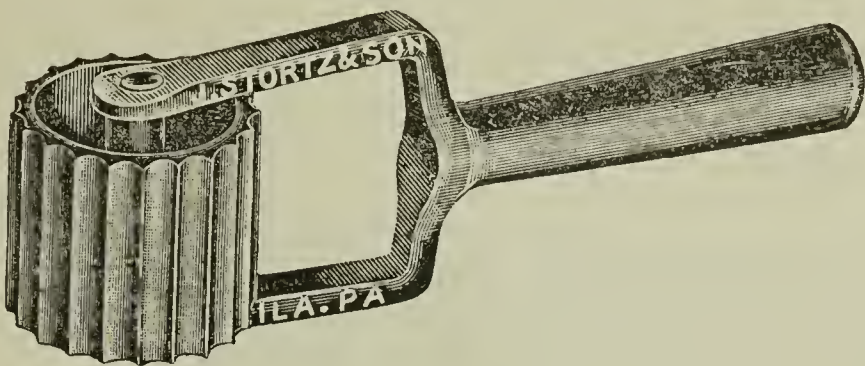
No. 247.—Bronze, polished	price,	\$5.00
No. 248.—Iron	"	3.50

BRONZE OR IRON ROLLER JOINTER OR GROOVER**Fig. 320 B**

Made on the principle of the Dot Roller; it makes a neat joint, runs freely, works quick and well. Wheel, 4 inches x 2 inches wide.

No. 55. —Jointer, fine joint for walks, bronze, polished	price,	\$5.00
No. 55 ¹ / ₂ .—Jointer, fine joint for walks, iron	"	3.50
No. 65. —Groover, wide groove for stables, etc., bronze, polished..	"	5.00
No. 65 ¹ / ₂ .—Groover, wide groove for stables, etc., iron	"	3.50

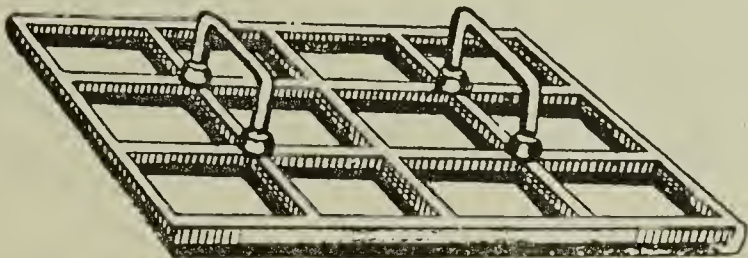
Fig. 320 C BRONZE OR IRON FLUTED ROLLER



Made same as the Roller Jointer. Can be used around the edge of walks for fancy border and for many other purposes; also where space is limited.

Bronze, polished	price	\$5.00
Iron	"	3.50

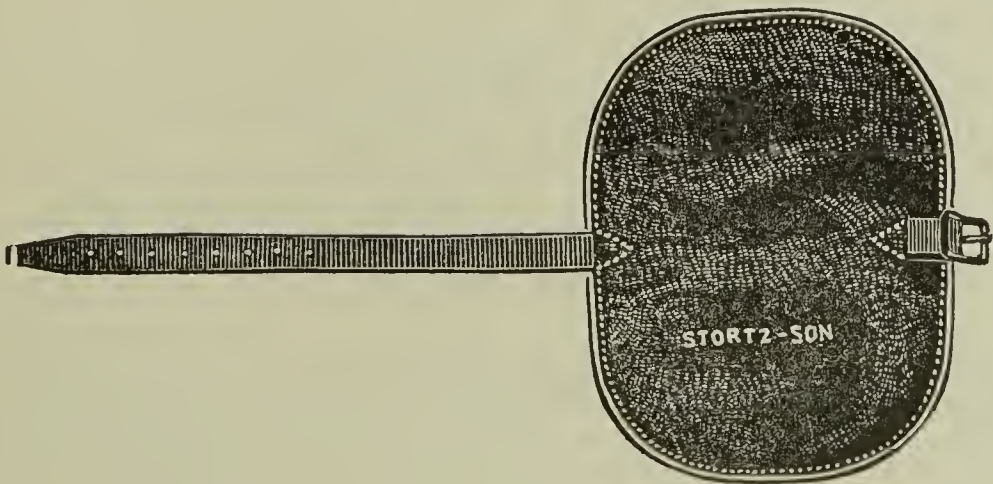
Fig. 320 1/2 DRIVEWAY IMPRESSION FRAMES



This tool is recommended where there is a large area of work to be grooved, or impressed, to secure a foothold for horses, etc. Also used for ornamental purposes. A time and money saver.

No. 66.—Iron, 15 x20 , 12 impressions 4 3/4 x4 3/4 inch	price,	\$4.60
No. 67.—Iron, 13 x16 1/2, 6 impressions 4 x8 inch	"	4.60
No. 68.—Iron, 12 3/4 x19 , 6 impressions 6 x6 inch	"	4.60

Fig. 320 3/4 KNEE PADS

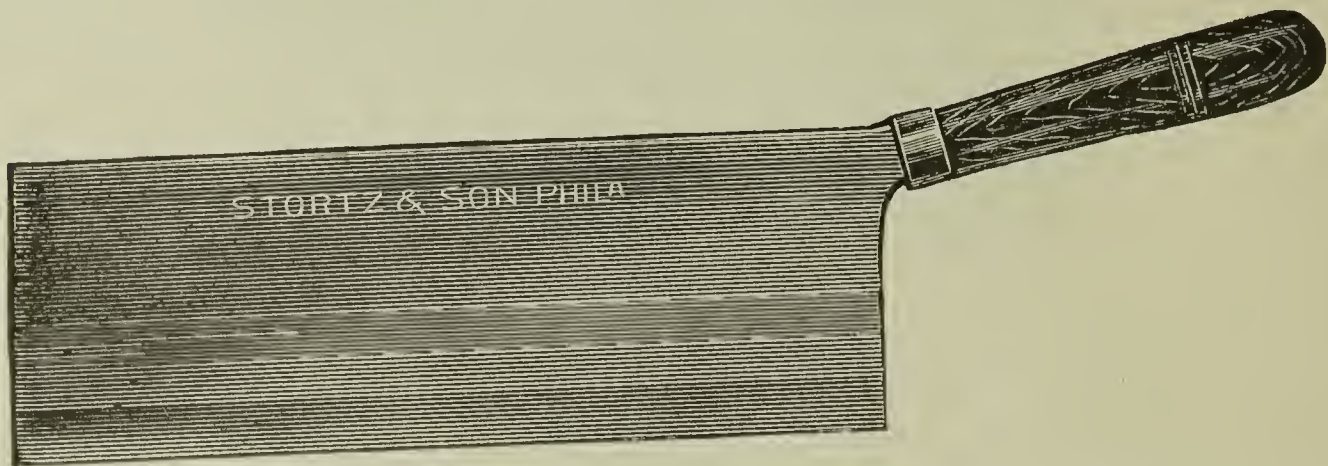


These Pads are a necessity to every workman to protect his knees during a long day's work, and the results from using same will be found satisfactory. Made of good leather, heavily padded.....per pair, \$3.75

CONCRETE CUTTERS

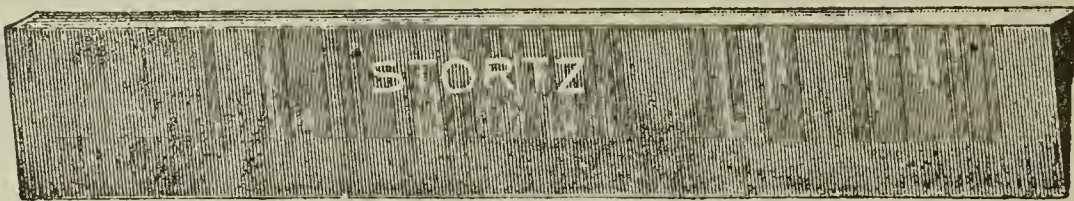
Are used to separate the concrete into blocks to allow for expansion or contraction.

Fig. 321 CONCRETE CUTTER WITH HANDLE



No. 99.—	1/2 in. thick,	4 in. wide,	20 in. long	.....price, each,	\$6.00
No. 100.—	1/4 in. thick,	5 in. wide,	15 in. long	.....	“ 6.00

Fig. 322 CONCRETE CUTTER



1/2 in. thick, 4 in. wide.				
Is made of tough Shear Steel, ground edges, oil finish.				
No. 43.—Length	16 in.	20 in.	24 in.	30 in.
Price, each....	\$3.00	\$3.75	\$4.50	\$5.25

Fig. 323 TOP KNIFE



3/16 in. thick, 2 1/2 in. wide.				
This Knife is made for cutting the cement mortar on top of the pavement; is made of tough Shear Steel, ground edges, oil finish.				
No. 44.—Length	18 in.	24 in.	30 in.	36 in.
Price, each....	\$2.50	\$3.00	\$3.50	\$4.00

Fig. 323 1/2 CEMENT SLUSHING BARS

For slushing concrete in building forms to assure a smooth surface.



IRON PIPE HANDLES.

Crucible steel, blades 12 inches long; hardened and tempered.
Blades 6 gauge, 4 inches wide.

No. 1.—Ring	handles, entire length 5 1/2 feet.....	each,	\$4.00
No. 2.—Straight	handles, entire length 5 1/2 feet.....	“	3.00

The following Tools are made in two grades. The one grade is made of hard bronze, of a composition insuring the best wearing qualities, greatest toughness, and will not rust.

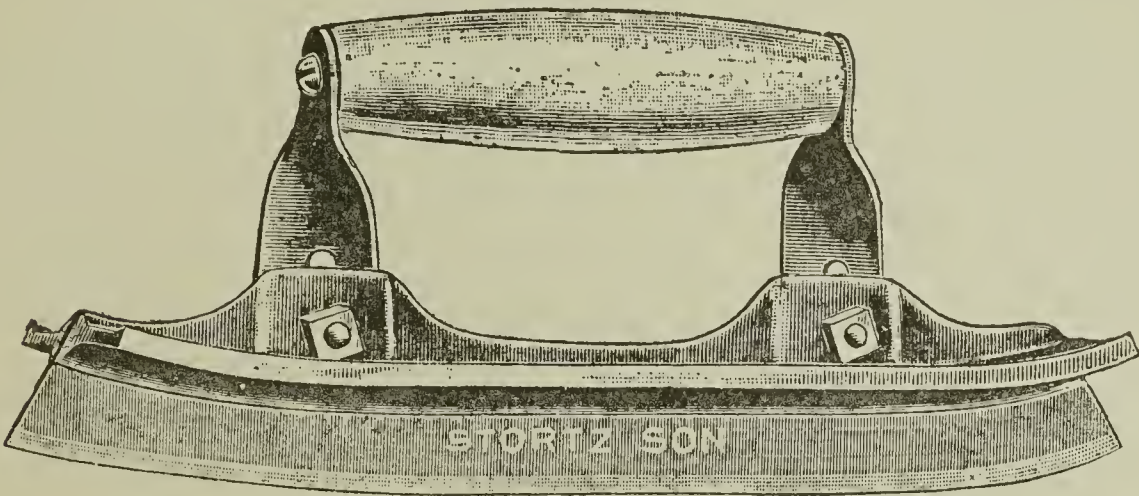
The other grade is made of clean hard gray iron; is therefore more serviceable, as well as economical.

SPECIAL TOOLS MADE TO ORDER OR DESIGNED AT SHORT NOTICE.

JOINTERS

Used to finish the joints between the squares in pavements, floors, etc., and prevent the edges from chipping.

Fig. 324 JOINTER, ADJUSTABLE BLADE



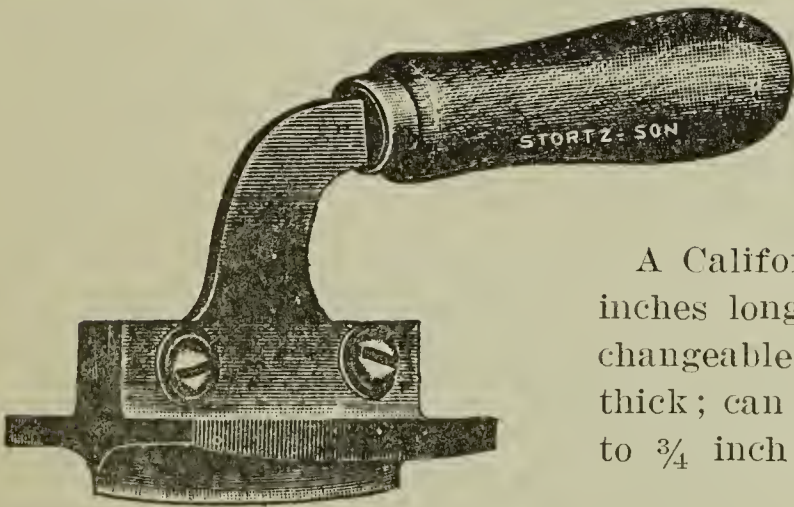
This tool has an adjustable steel blade, which can be adjusted from $\frac{3}{8}$ inch to $1\frac{3}{8}$ inch in depth. The tool finishes a good sized joint. It has a neat maple handle, which will not become loose. The blades are made interchangeable, and can be replaced when worn out.

8 $\frac{1}{4}$ inches long, 3 $\frac{1}{4}$ inches wide, 9 $\frac{1}{4}$ inches over all.

No. 9.—Bronze, polished	price,
No. 10.—Iron	" 3.00
Additional Blades, 9 $\frac{1}{4}$ inches long, each.....	" 1.50

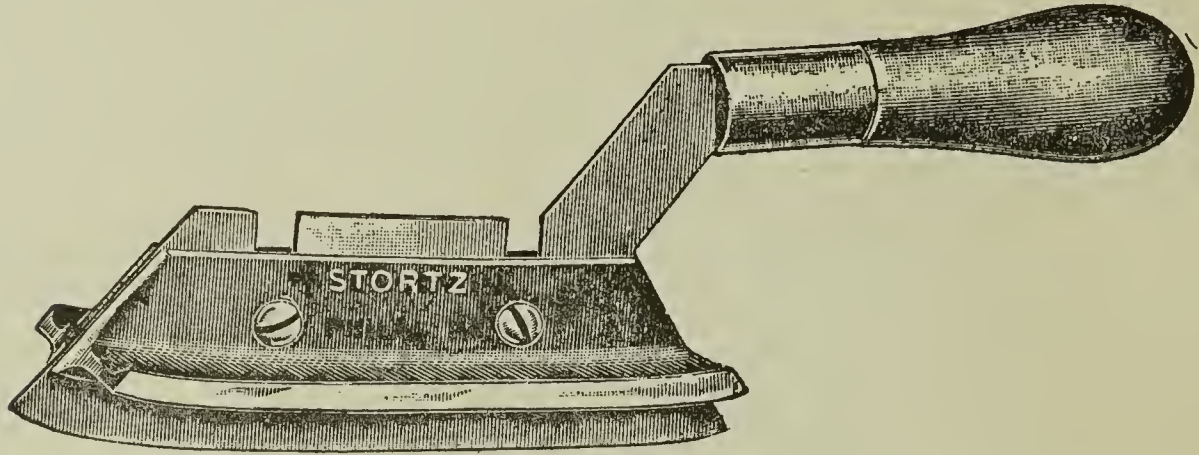
CALIFORNIA JOINTERS, ADJUSTABLE STEEL BLADES

Fig. 324 $\frac{1}{2}$



A California favorite, 2 $\frac{5}{8}$ inches wide, 2 $\frac{7}{8}$ inches long; 7 $\frac{1}{2}$ inches over all, with interchangeable adjustable steel blade, $\frac{1}{8}$ inch thick; can be adjusted to cut a joint $\frac{1}{4}$ inch to $\frac{3}{4}$ inch deep.

No. 299.—Bronze, polished	price,
No. 300.—Iron	" 2.50
Additional Blades	" 1.00

Fig. 325 JOINTER, ADJUSTABLE BLADE

Used for yard or lawn walks, or any work that requires a neat joint. It cuts and finishes the joint at one time. The blade can be adjusted from $\frac{3}{8}$ inch to 1 inch cut. Blades, $\frac{1}{8}$ inch thick, are made interchangeable and can be replaced at a trifling cost when worn out.

4 $\frac{1}{2}$ in. long, 2 $\frac{1}{8}$ in. wide, 10 in. over all.

No. 11.—Bronze, polished	price,
No. 12.—Iron	" 2.50
Additional Blades, $\frac{1}{8}$ inch thick.....	" 1.00

GROOVER, ADJUSTABLE BLADE

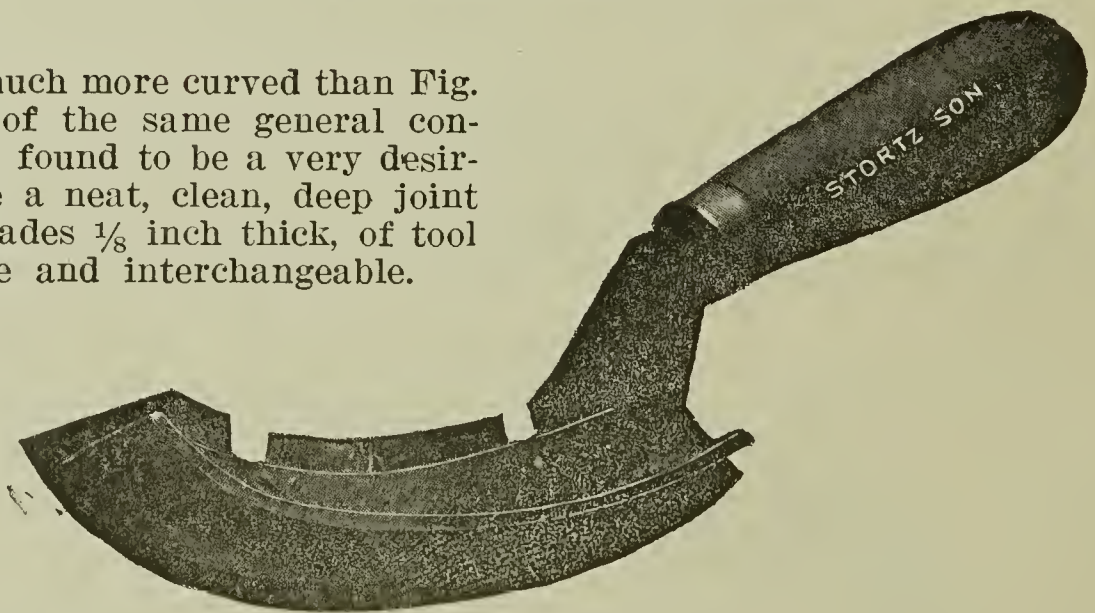
Same as Fig. 325

4 $\frac{1}{2}$ in. long, 2 $\frac{1}{8}$ in. wide, 10 in. over all.

No. 11 $\frac{1}{2}$.—Bronze, polished, blade $\frac{1}{4}$ inch thick.....	price,
No. 12 $\frac{1}{2}$.—Iron, blade $\frac{1}{4}$ inch thick.....	" 3.00
Additional Blades, $\frac{1}{4}$ inch thick.....	" 1.50

Fig. 326 JOINTER, ADJUSTABLE BLADE

This tool is much more curved than Fig. 325, otherwise of the same general construction. It is found to be a very desirable tool where a neat, clean, deep joint is required. Blades $\frac{1}{8}$ inch thick, of tool steel, adjustable and interchangeable.



5 in. long, 2 $\frac{1}{4}$ in. wide, 11 in. over all.

No. 73.—Bronze Jointer, polished, $\frac{1}{8}$ inch thick.....	price,
No. 74.—Iron Jointer, $\frac{1}{8}$ inch thick	" 2.50
Additional Blades, $\frac{1}{8}$ inch thick.....	" 1.10

GROOVER, ADJUSTABLE BLADE

Same as Fig. 326

5 in. long, 2 $\frac{1}{4}$ in. wide, 11 in. over all.

No. 73 $\frac{1}{2}$.—Bronze Groover, polished, blade $\frac{1}{4}$ inch thick.....	price,
No. 74 $\frac{1}{2}$.—Iron Groover, blade $\frac{1}{4}$ inch thick.....	" 3.00
Additional Blades, $\frac{1}{4}$ inch thick	" 1.50

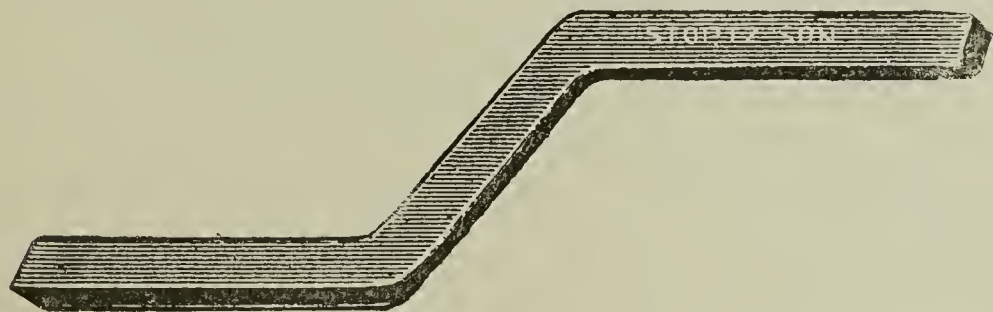
Fig. 326 A COMBINATION BRICK JOINTER
Half Round Beads



These tools are using in pointing stone, brick and cement walls. Each tool makes two sizes of joint.

BRONZE, POLISHED			IRON, POLISHED	
$\frac{1}{8}$ and $\frac{3}{16}$ inch.....	No. 163	\$1.50	No. 164	\$0.75
$\frac{3}{16}$ and $\frac{1}{4}$ inch.....	No. 165	1.50	No. 166	.75
$\frac{1}{4}$ and $\frac{5}{16}$ inch.....	No. 167	1.50	No. 168	.75
$\frac{5}{16}$ and $\frac{3}{8}$ inch.....	No. 169	1.50	No. 170	.75
$\frac{3}{8}$ and $\frac{1}{2}$ inch.....	No. 171	1.50	No. 172	.75

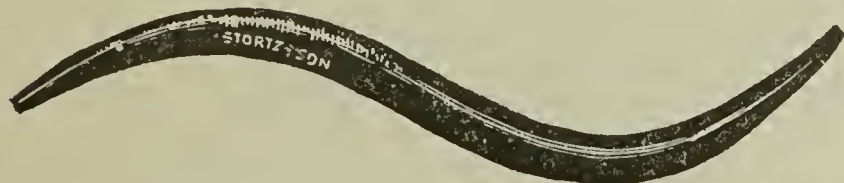
Fig. 326-F COMBINATION FLUSH JOINTERS
Flat Face



Used in pointing stone, brick and cement walls that require a flush joint, instead of a round or raised joint. Each tool makes two sizes of joints.

	Bronze	Price	Iron	Price
Size, $\frac{1}{8}$ and $\frac{3}{16}$ inch.....each	No. 163-F	.....	No. 164-F	\$0.75
Size, $\frac{3}{16}$ and $\frac{1}{4}$ inch.....	No. 165-F	.....	No. 166-F	.75
Size, $\frac{1}{4}$ and $\frac{5}{16}$ inch.....	No. 167-F	.....	No. 168-F	.75
Size, $\frac{5}{16}$ and $\frac{3}{8}$ inch.....	No. 169-F	.....	No. 170-F	.75
Size, $\frac{3}{8}$ and $\frac{1}{2}$ inch.....	No. 171-F	.....	No. 172-F	.75

Fig. 326-B BRICKLAYERS' & MASONS' JOINTERS
HAND FORGED



Made of high-grade tool steel, large in center, both ends tapered, one end thinner than the other. This tool strikes a neat round joint. Also made of flat steel to make a Flush or Flat Joint.

Size of steel	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.
Price, each	\$0.80	1.00	1.25

Fig. 326 C

RAISED JOINT OR POINTING TOOL

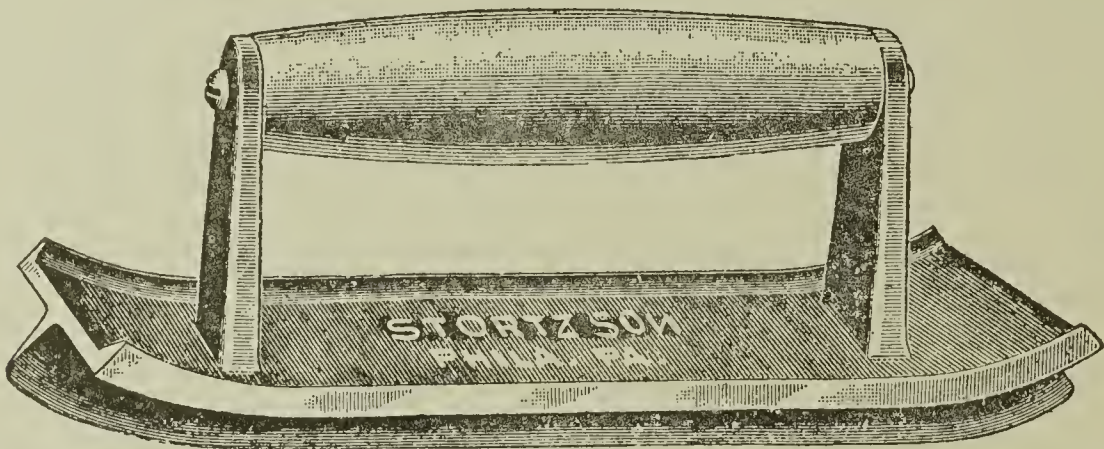
This tool is used to make raised or beaded joints on masonry, etc. Gives a desirable finish. Made in two sizes.



No. 76—Iron, ¼ inch groove.....	price,	\$1.00
No. 77.—Bronze, polished, ¼ inch groove.....	"	.....
No. 78.—Iron, ⅜ inch groove.....	"	1.00
No. 79.—Bronze, polished, ⅜ inch groove.....	"	.....

Fig. 327

JOINTER

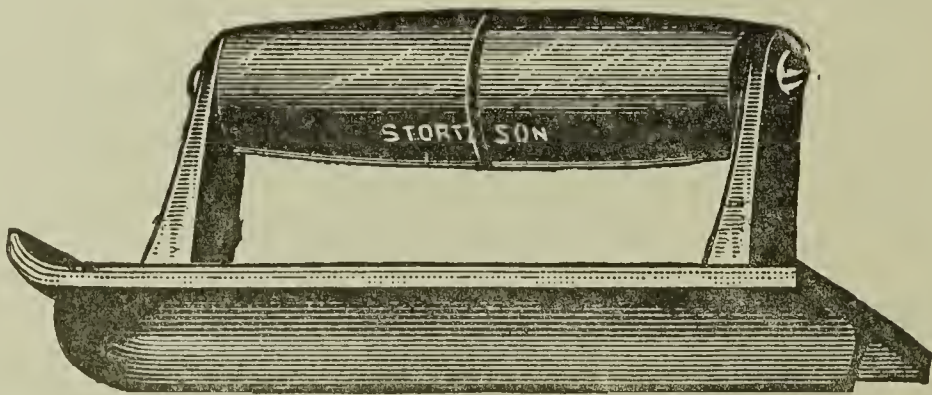


This Jointer is made in one solid piece, the blade being ¼ inch thick. Has a strong maple handle, which will not turn or become loose.

Bronze tools, polished; Iron tools, polished. All 3 inches wide.		
No. 13 .—Bronze, 7½ in. long. ⅝ in. deep.....	price,	.....
No. 13½.—Bronze, 7½ in. long. 1 in. deep.....	"	.....
No. 313 .—Bronze, 9 in. long. ⅝ in. deep.....	"	.....
No. 14 .—Iron, 7½ in. long, ⅝ in. deep.....	"	1.50
No. 14½.—Iron, 7½ in. long, 1 in. deep.....	"	1.75
No. 314 .—Iron, 9 in. long. ⅝ in. deep.....	"	1.75

Fig. 327½

JOINTER

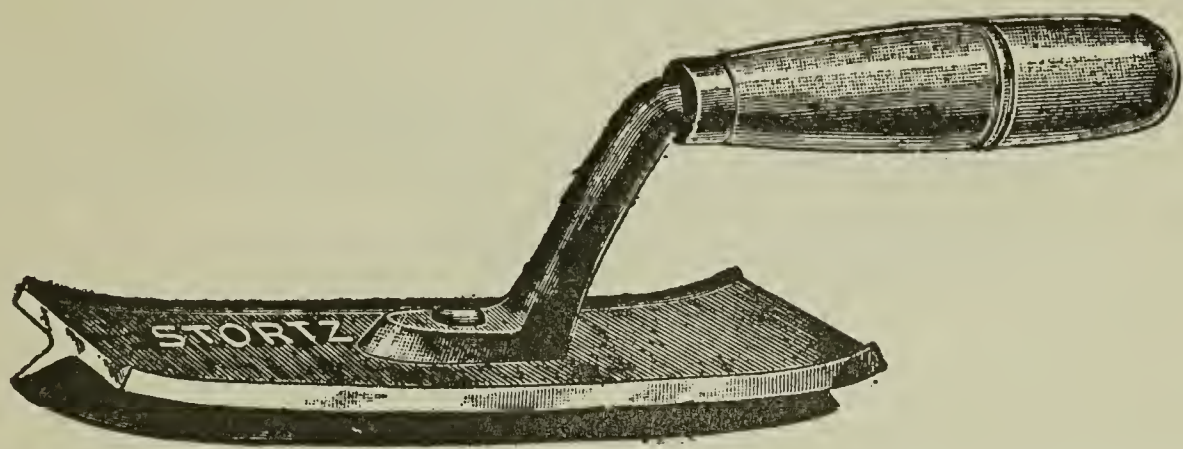


This Jointer is made with one straight end, as shown in cut, the blade ⅜ inch thick, ½ inch deep; very desirable for making a neat joint in corners or against frame work.

No. 175 .—Bronze, 7½ in. long, 3 in. wide.....	price,	.....
No. 176 .—Iron, 7½ in. long, 3 in. wide.....	"	1.60
No. 175½.—Bronze, 12 in. long, 3 in. wide.....	"	.....
No. 176½.—Iron, 12 in. long, 3 in. wide.....	"	2.25

Fig. 328

JOINTER



This Jointer is made with a strong neat maple handle. The blade is $\frac{1}{2}$ inch deep and $\frac{3}{16}$ inch thick. It finishes a very neat joint.

$4\frac{3}{4}$ in. long, $2\frac{1}{2}$ in. wide, $9\frac{1}{2}$ in. over all.

- No. 15.—Bronze, polishedprice,
No. 16.—Iron “ 1.25

Fig. 328 $\frac{1}{2}$

NARROW JOINTER

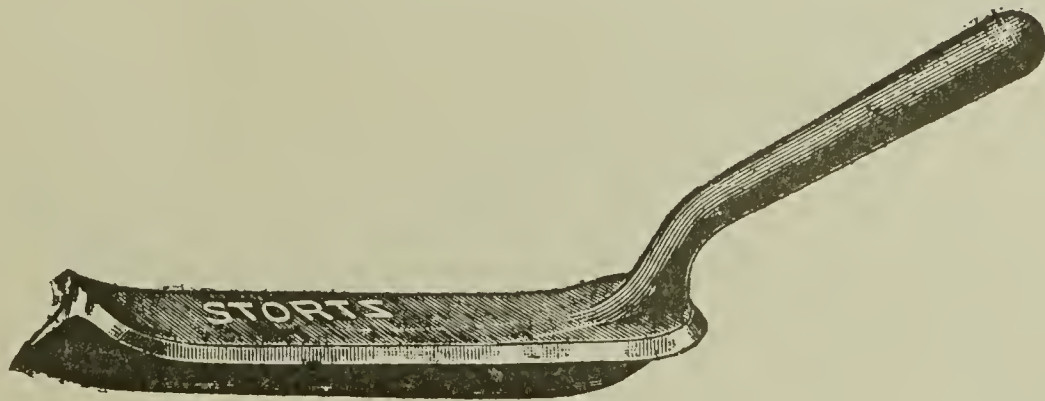


Extra narrow Jointer, made of one piece, 1 in. wide, 5 in. long and 9 in. over all, with thin blade about $\frac{3}{16}$ inch deep.

- No. 287.—Bronze, polishedprice,
No. 288.—Iron “ .70

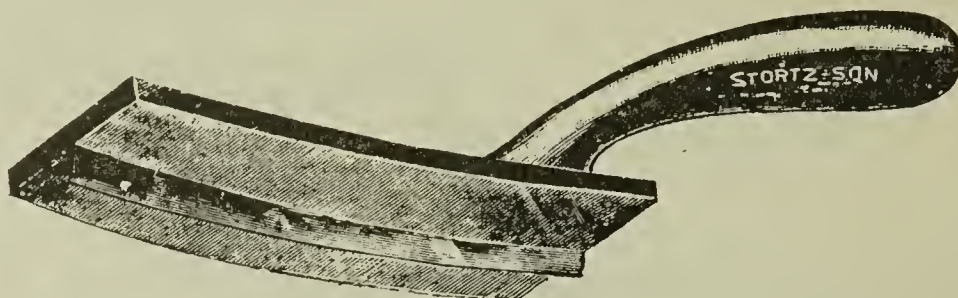
Fig. 329

JOINTER



This tool is made in one piece, with blade about $\frac{1}{4}$ inch wide.
4 in. long, $1\frac{5}{8}$ in. wide, blade $\frac{3}{8}$ in. deep, 8 in. over all.

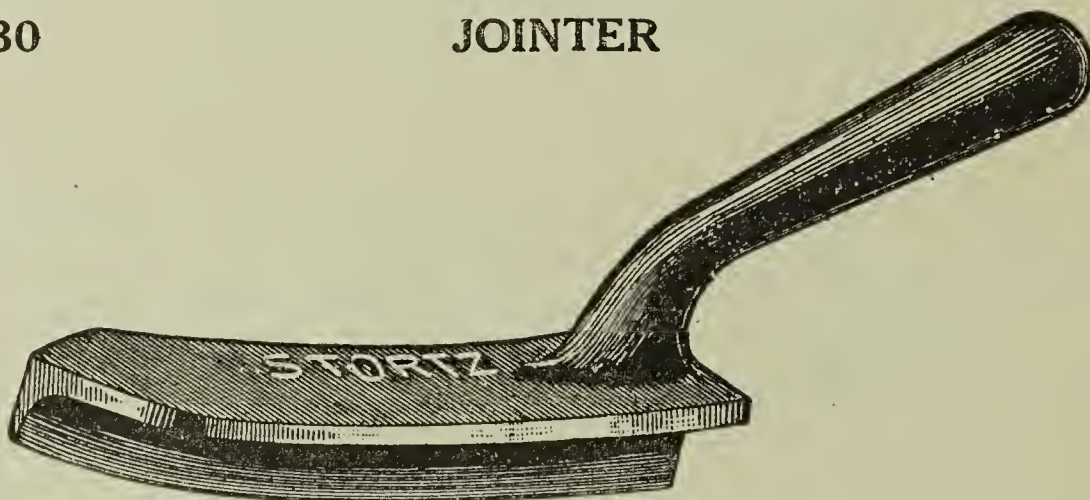
- No. 17.—Bronze, polishedprice,
No. 18.—Iron “ .70

Fig. 329 $\frac{1}{2}$ **SQUARE END JOINTER**
IRON HANDLE.

Made with straight end, as shown in cut, the blade $\frac{5}{16}$ inch thick, $\frac{1}{2}$ inch deep, otherwise the same in general finish as Fig. 330, and is very desirable for making a neat joint in corners or against frame work.

No. 81.—Bronze, size, 5 in. long, $2\frac{1}{2}$ in. wide.....price, each,

No. 82.—Iron, size, 5 in. long, $2\frac{1}{2}$ in. wide.....“ “ .80

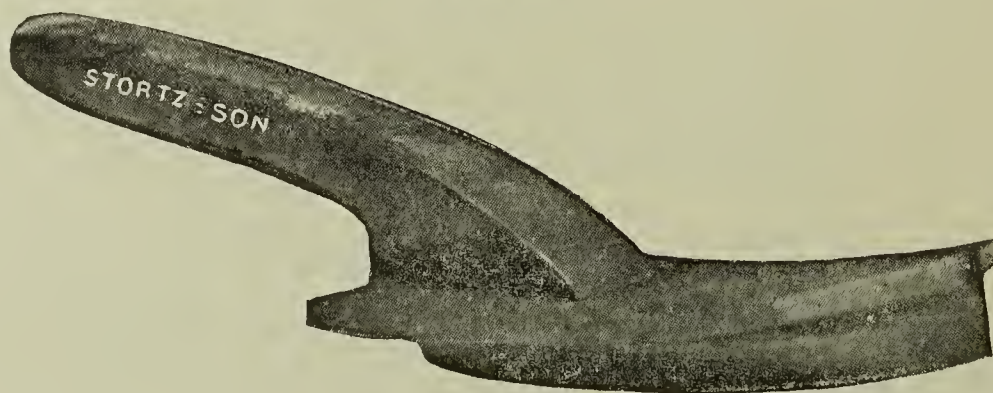
Fig. 330**JOINTER**

This is the latest improved Jointer. It is convexed both lengthwise and crosswise. It has a blade $\frac{1}{2}$ inch deep, and finishes a medium-sized joint. The handle is large and full, conforming to the hand. An excellent tool.

5 in. long, $2\frac{3}{8}$ in. wide. 8 in. over all.

No. 83.—Bronze, polishedprice,

No. 84.—Iron“ .80

Fig. 331**JOINTER**

This Jointer is likewise convexed both lengthwise and crosswise; has a blade $\frac{3}{8}$ inch deep, very thin, making a joint about similar to the steel-bladed Jointers. The handle being slightly oval, insures a firm grip, with no tendency to turn in the hand. It is made of one piece.

5 in. long, $2\frac{3}{8}$ in. wide, $8\frac{3}{4}$ in. over all.

No. 63.—Bronze, polishedprice,

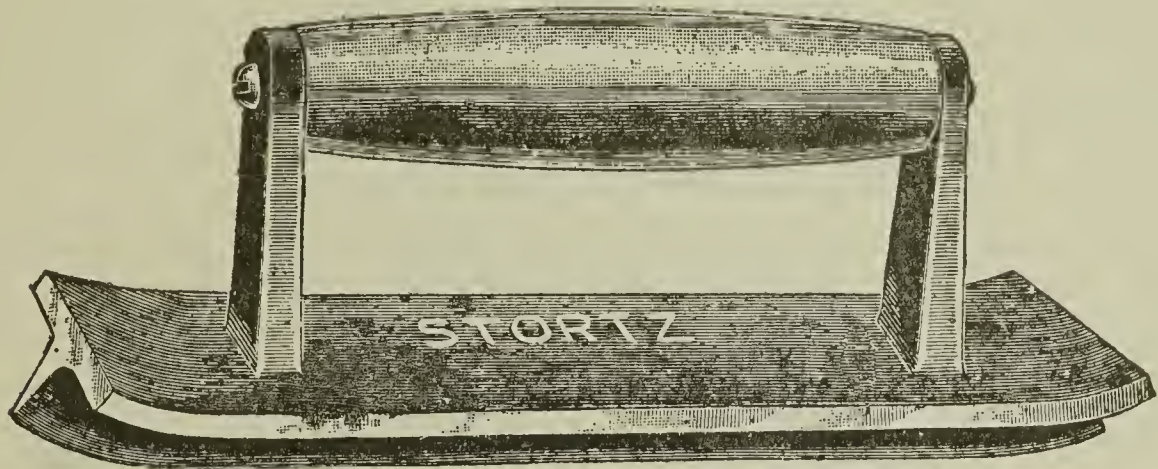
No. 64.—Iron“ .80

DRIVEWAY GROOVERS

These tools are used to make wide joints or grooves in pavements, walks, driveways and stables to prevent horses from slipping, etc. The grooves will also drain the floor, etc.

Fig. 332

DRIVEWAY GROOVER



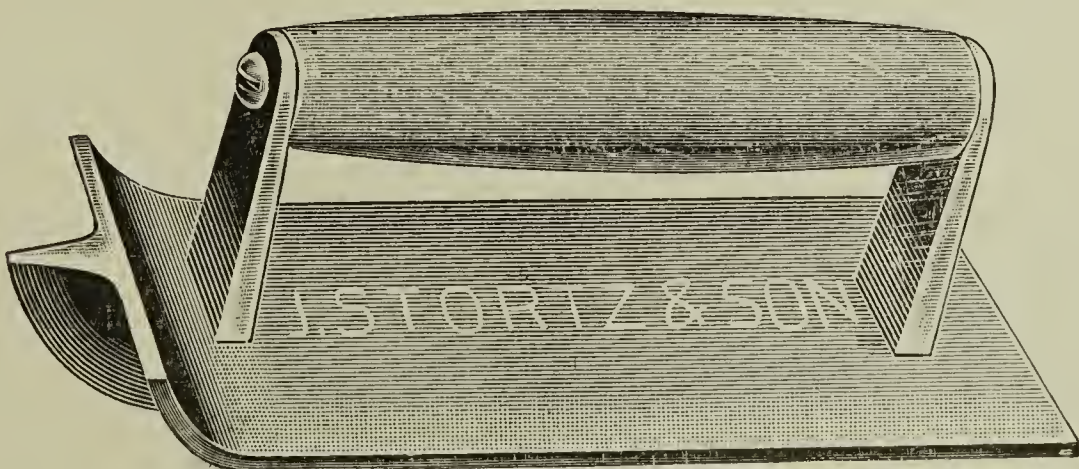
Made in one piece, with a blade $\frac{1}{2}$ inch thick and $\frac{5}{8}$ inch deep, the right width for general work. Has a strong, neat maple handle, which will not turn or become loose.

8 inches long, 3 inches wide.

No. 19.—Bronze, polished	price,
No. 20.—Iron	“ 1.70

Fig. 332 $\frac{1}{4}$

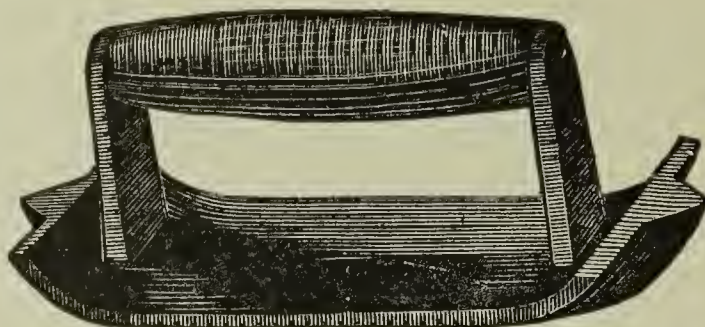
DRIVEWAY GROOVER



Made with one straight end, as shown in cut, and is the same in style and finish as Fig. 332, but makes deeper grooves.

$7\frac{1}{2}$ inches long, 3 inches wide.

No. 177.—Bronze, polished	price,
No. 178.—Iron	“ 1.70

Fig. 332¹/₂**DRIVEWAY GROOVER**

Designed for work where an extra wide and deep groove is desired, the blade being $\frac{5}{8}$ inch deep by 1 inch wide at the top. A good, strong and serviceable tool.

3 inches wide, 7 inches long.

No. 153.—Bronze, polishedprice,

No. 154.—Iron “ 1.80

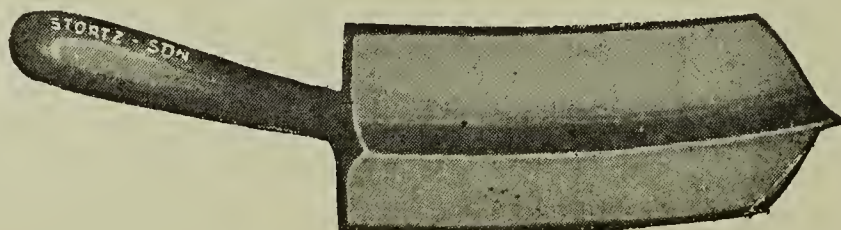
Fig. 333**DRIVEWAY GROOVER**

This Groover is used for the same purpose as Fig. 332. It is made in one piece, with blade $\frac{1}{2}$ inch thick and $\frac{5}{8}$ inch deep.

5 in. long, 2 in. wide, $8\frac{1}{2}$ in. over all.

No. 21.—Bronze, polishedprice,

No. 22.—Iron “ .80

Fig. 334**DRIVEWAY GROOVER**

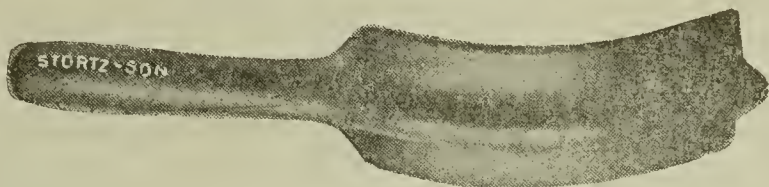
This extra-wide Groover makes a groove $\frac{1}{2}$ inch wide and $\frac{3}{4}$ inch deep; is made of one piece, $2\frac{3}{4}$ inches wide, 5 inches long, 9 inches over all. It makes a wide groove and gives a neat appearance.

No. 285.—Bronze, polishedprice,

No. 286.—Iron “ 1.00

Fig. 335

ROUND BLADE GROOVER



This tool makes a round groove $\frac{1}{2}$ inch thick, $\frac{1}{2}$ inch wide; is 9 inches long and 2 inches wide. A very useful article.

No. 283.—Bronze, polished	price,
No. 284.—Iron	“ 1.00

Fig. 336

DRIVEWAY GROOVER



This Groover has an adjustable steel blade $\frac{1}{4}$ inch thick, which can be adjusted from $\frac{7}{8}$ inch to $1\frac{1}{2}$ inches in depth, and makes a very wide groove. The blades are made interchangeable, and can be replaced at an additional cost. A strong, well-made, useful tool.

8 $\frac{1}{2}$ inches long, 3 $\frac{1}{4}$ inches wide, 10 inches over all.

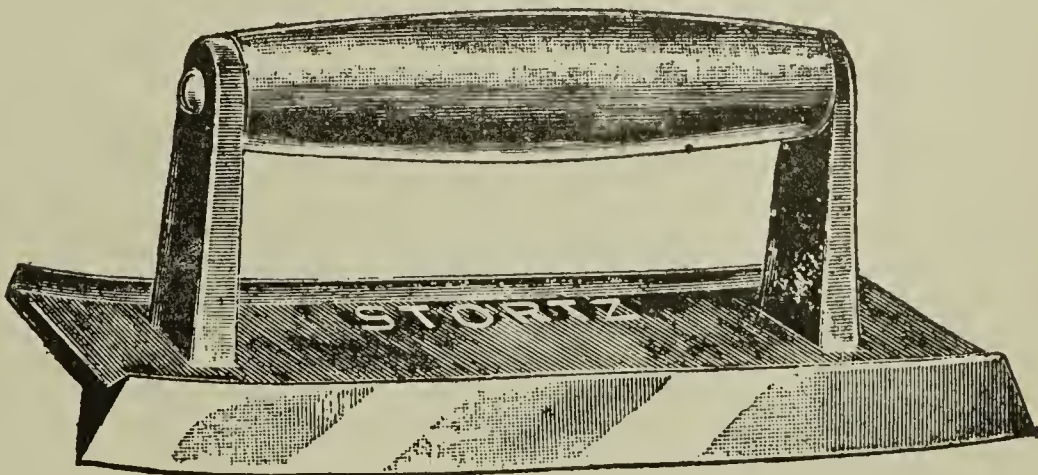
No. 71.—Bronze, polished	price,
No. 72.—Iron	“ 5.00
Additional Blades, 10 inches long, $\frac{1}{4}$ inch thick.....	“ 2.25

Fig. 338

BEVEL TOOL

This tool is used in beveling the edge or corners of curbs and steps, or any work where a beveled edge is desired to prevent chipping. It is strong, neat, and well proportioned.

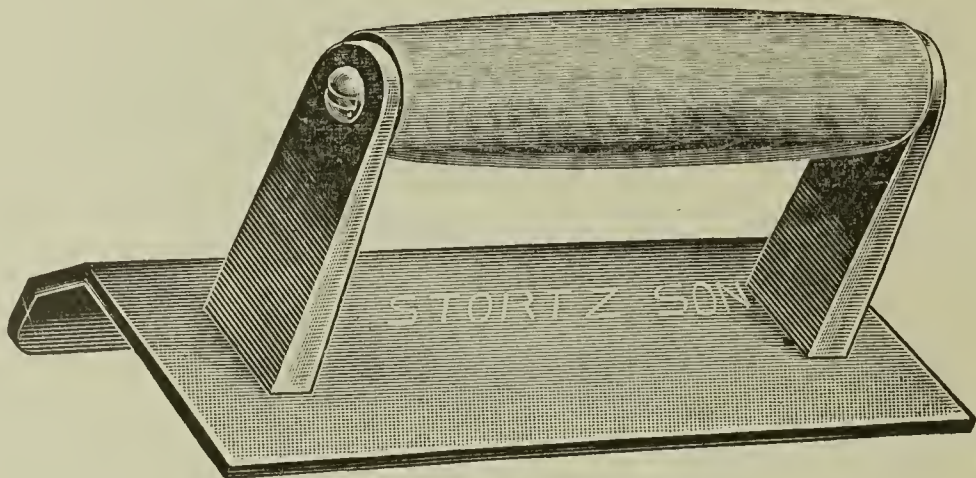
7 $\frac{1}{2}$ inches long, 3 inches wide.



No. 35.—Bronze, polished	price,
No. 36.—Iron	“ 1.70

Fig. 338¹/₂

BEVEL EDGER

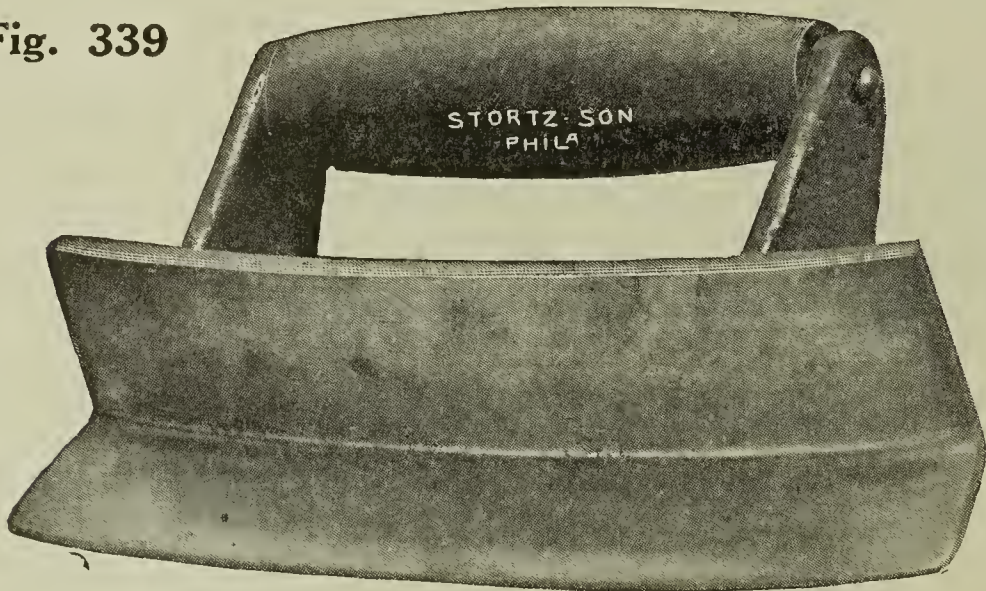


This tool is for same general use as Fig. 338; makes ⁵/₈ inch bevel edge; very neat finish.

7¹/₂ inches long, 3 inches wide.

No. 179.—Bronze, polished	price,
No. 180.—Iron	“ 1.70

Fig. 339



STEP EDGER

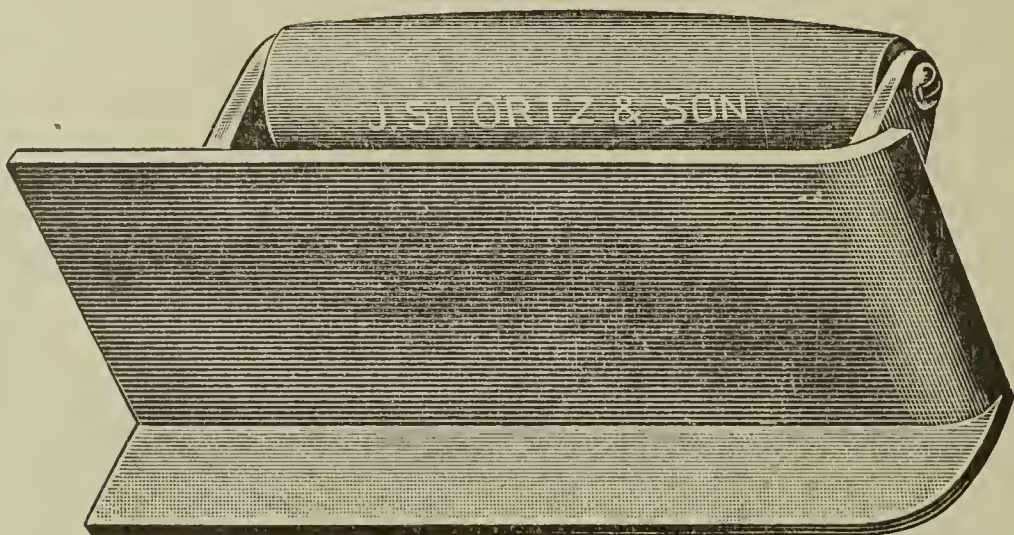
Step Edgers are used for finishing the edges or corners of steps, copings, etc., or other work that requires a very slight edge. It is made of one piece, with a good strong handle that will not become loose or turn.

7 in. long, sides 1¹/₄ in., face 1¹/₂ in.

No. 289.—Bronze, polished	price,
No. 290.—Iron	“ 1.70

Fig. 339¹/₄

SQUARE EDGER

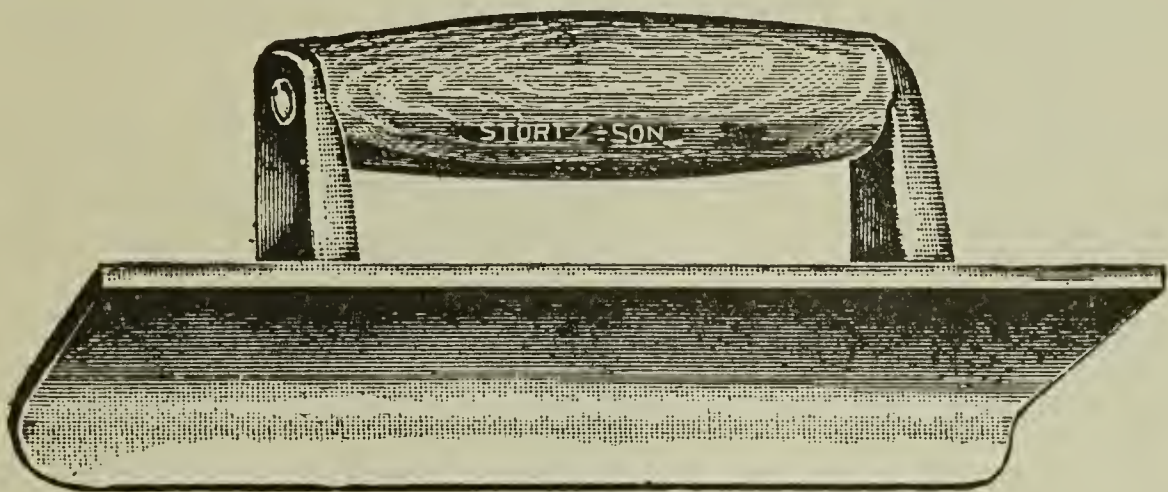


This Edger is used for the same general purposes as Fig. 339, but is different in design, as shown in cut.

7 inches long, 3 inches wide, 1 inch lip.

No. 181.—Bronze, polished	price,
No. 182.—Iron	“ 1.70

Fig. 339 1/2 STATE HIGHWAY EDGERS



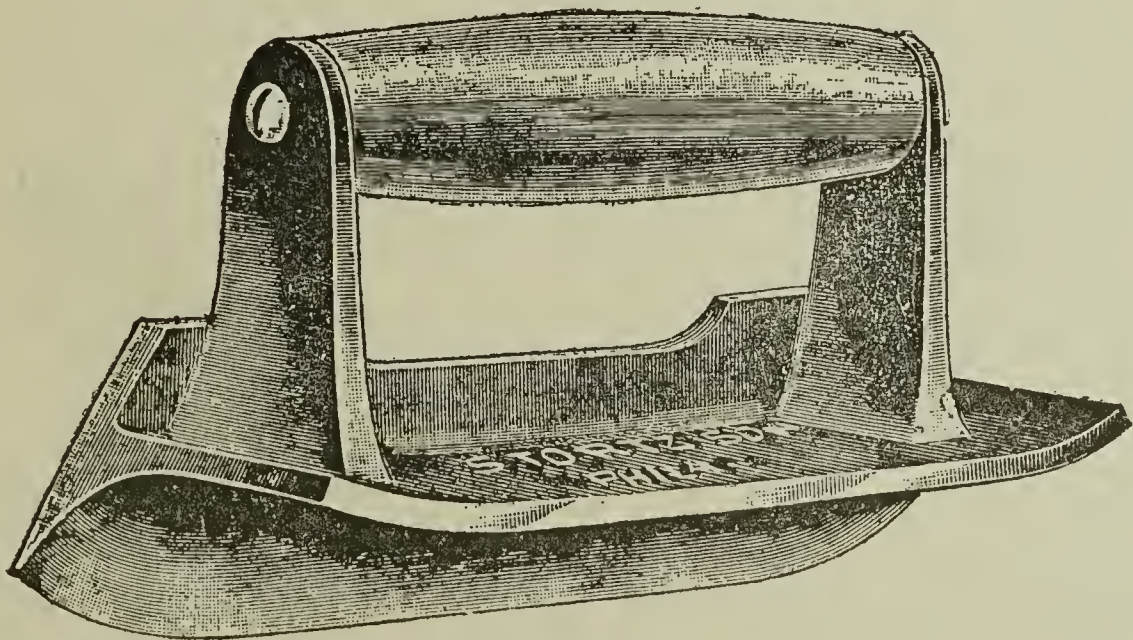
Highway Edgers are used to round and finish the edges of roads or any work requiring perfectly rounded edges, also used to finish the edges of joints after withdrawing division plates or knives.

8 inches long, 4 inches wide.

No. 134.—	1/8 in. radius—	Iron	.....each,	\$2.25
No. 136.—	1/2 in. “	“	..... “	2.25
No. 138.—	3/4 in. “	“	..... “	2.25
No. 140.—	1 in. “	“	..... “	2.25

SPECIAL DESIGN OR RADIUS OF EDGERS TO ORDER

Fig. 340 CURB TOOL OR EDGER



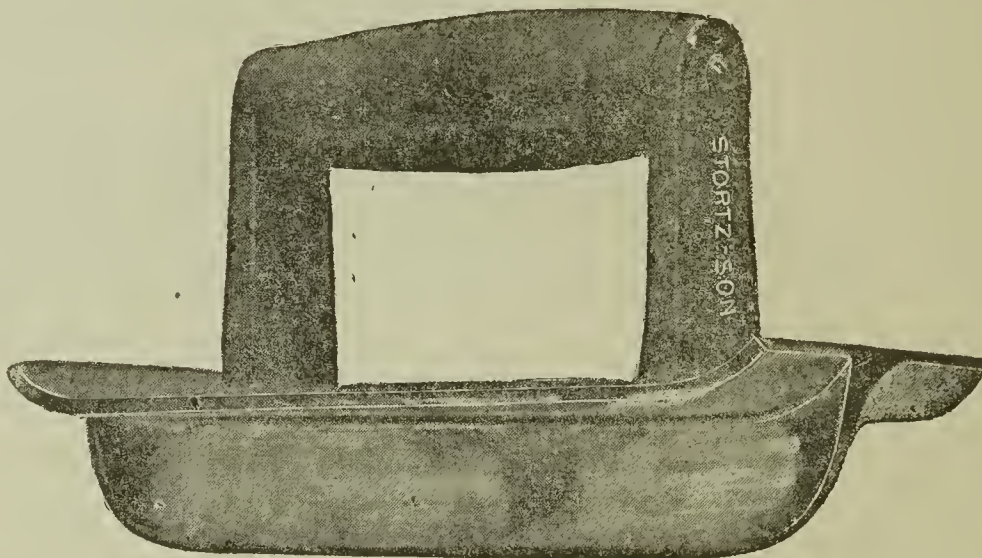
Curb Tools or Edgers are used for rounding and finishing the edges or corners of cement curbs, walks, steps, etc., to prevent the edges and sides from chipping. They are made in various radiuses to answer all requirements.

No. 23.—	Bronze,	3/8 in. radius,	7 1/2 in. long,	2 1/2 in. wide,	....price,	.....
No. 24.—	Iron,	3/8 in. “	7 1/2 in. “	2 1/2 in. “	.... “	1.60
No. 25.—	Bronze,	1/2 in. “	7 1/2 in. “	2 1/2 in. “	.... “	.....
No. 26.—	Iron,	1/2 in. “	7 1/2 in. “	2 1/2 in. “	.... “	1.70
No. 27.—	Bronze,	1 in. “	7 1/2 in. “	2 1/2 in. “	.... “	.....
No. 28.—	Iron,	1 in. “	7 1/2 in. “	2 1/2 in. “	.... “	1.80
No. 85.—	Bronze,	1 1/2 in. “	7 3/4 in. “	2 1/2 in. “	.... “	.....
No. 86.—	Iron,	1 1/2 in. “	7 3/4 in. “	2 1/2 in. “	.... “	1.90
No. 29.—	Bronze,	2 in. “	8 in. “	2 3/4 in. “	.... “	.....
No. 30.—	Iron,	2 in. “	8 in. “	2 3/4 in. “	.... “	2.00

Fig. 340-A COMBINATION EDGER AND CURB TOOL

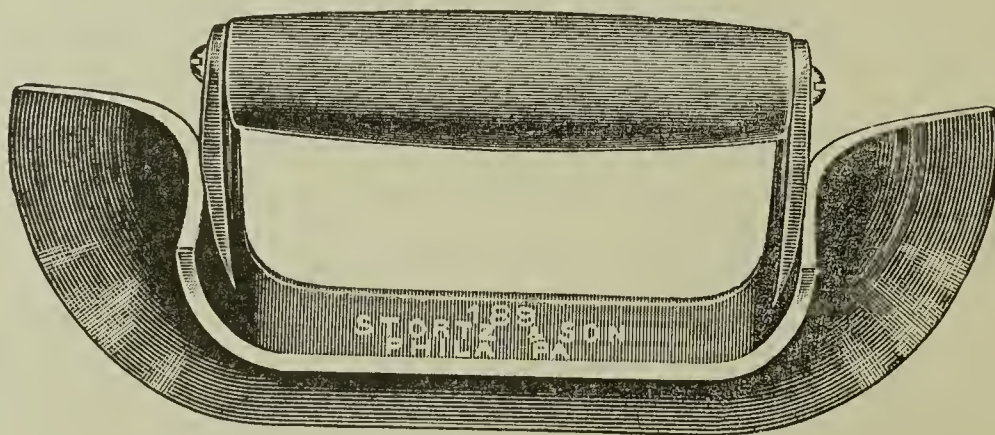
This is our latest improved combination tool. The one side can be used as a curb tool to form a round edge, and the other as a guide or edger to form a sharp edge, as can be seen by the cut, making two tools in one. A tool appreciated by all who have used it.

7 in. long, 2¾ in. wide



No. 119.—Bronze, polished	price,
No. 120.—Iron	“ 2.25

Fig. 340-B INSIDE RADIUS CURB TOOL



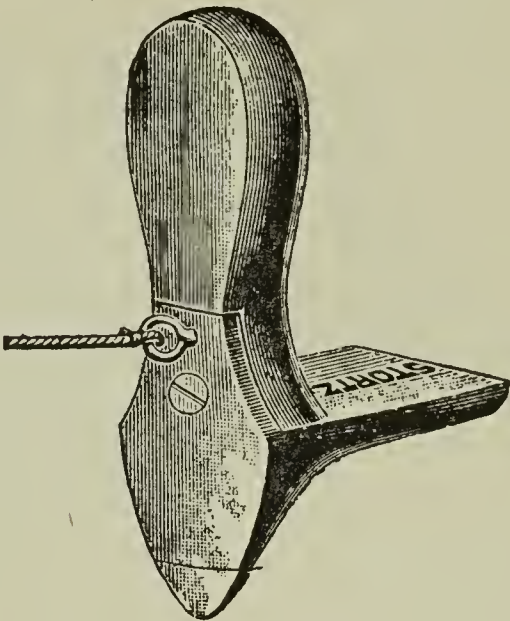
This Tool is essential in finishing the edges of concave curbs, steps, circular walks, etc., or any inside curves which cannot be done so very easily with the ordinary curb tool.

No. 183.—Bronze, ½ in. radius, 7 in. long, 2½ in. wide	price,
No. 184.—Iron, ½ in. “ 7 in. “ 2½ in. “	“ 2.00
No. 185.—Bronze, 1 in. “ 7½ in. “ 2½ in. “	“
No. 186.—Iron, 1 in. “ 7½ in. “ 2½ in. “	“ 2.25
No. 187.—Bronze, 1½ in. “ 7½ in. “ 2½ in. “	“
No. 188.—Iron, 1½ in. “ 7½ in. “ 2½ in. “	“ 2.40
No. 189.—Bronze, 2 in. “ 8 in. “ 2¾ in. “	“
No. 190.—Iron, 2 in. “ 8 in. “ 2¾ in. “	“ 2.50

Fig. 340-C RADIUS TOOL

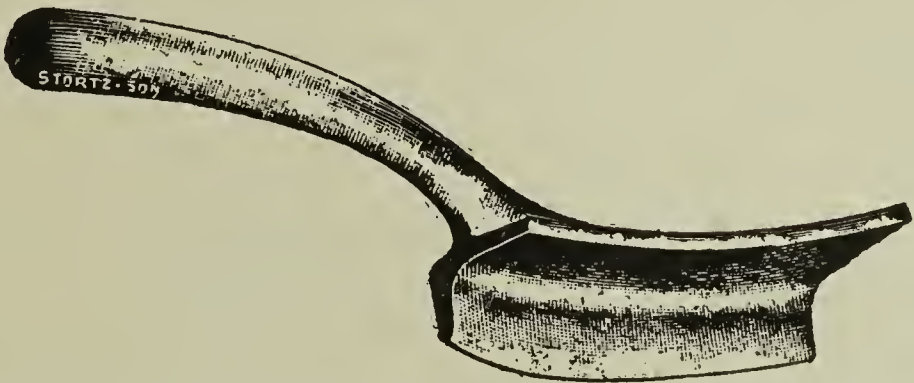
Radius tools, with the aid of a string, are used for laying out circles or corners of pavements, etc.; is also used as a curb tool around inside circles where curb tools cannot be used.

- 7 in. high, 3x2 in. wide, 1 in. radius.
- No. 41.—Bronze, polished.....price,
- No. 42.—Iron “ 1.00



WALL OR FENCE EDGER

Fig. 340-D

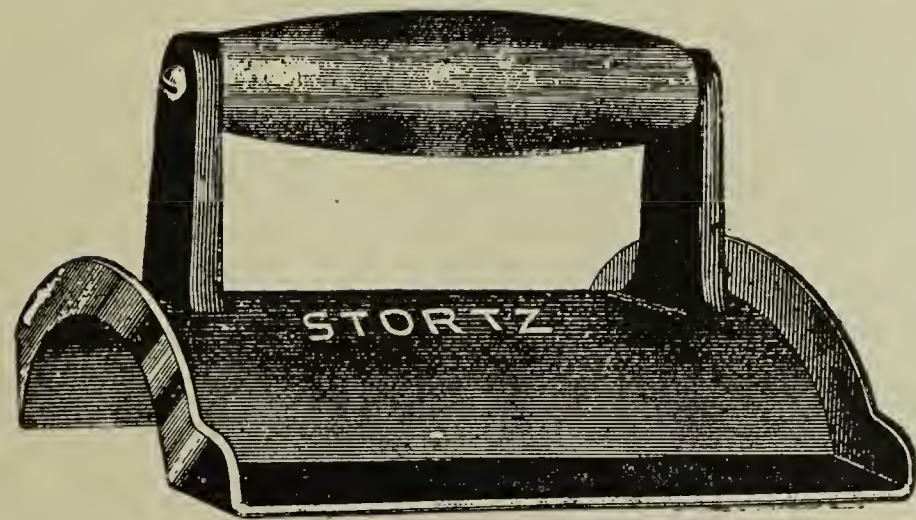


Wall or Fence Edgers are used to turn and finish the joints close to the fence or wall of building; can also be used for other edging purposes.

Made right and left hand. Cut shows left-hand Tool.

- No. 157.—Bronze, 9 in. over all, 1½ in. wide, ⅜ in. radius.....price,
- No. 158.—Iron, 9 in. over all, 1½ in. wide, ⅜ in. radius..... “ 1.00
- No. 97.—Bronze, 9 in. over all, 1¾ in. wide, ¾ in. radius..... “
- No. 98.—Iron, 9 in. over all, 1¾ in. wide, ¾ in. radius..... “ 1.25

Fig. 341 RESIDENCE CURB TOOLS



Residence Curb Tools are used to finish the top of curbs on the side of residence steps around walks or lawns, etc. They finish the curb in the shape of a roll 1¼, 2, 2¼ or 3 inches high, according to size of tool used. They are made of one piece, with a strong maple handle, which will not become loose or turn. A very useful tool.

- No. 31.—Bronze, 1¼ in. high, 3½ in. wide.....price,
- No. 32.—Iron, 1¼ in. “ 3½ in. “ “ 1.80
- No. 33.—Bronze, 2¼ in. “ 5¾ in. “ “
- No. 34.—Iron, 2¼ in. “ 5¾ in. “ “ 2.50
- No. 113.—Bronze, 2 in. “ 4 in. “ “
- No. 114.—Iron, 2 in. “ 4 in. “ “ 3.00
- No. 115.—Bronze, 3 in. “ 6 in. “ “
- No. 116.—Iron, 3 in. “ 6 in. “ “ 4.00

Fig. 342**COPING TOOL**

This tool is used to finish the tops of thick copings, curbs or walls. They make a flat roll finish, 1 or $1\frac{3}{4}$ inch high, according to tool used. It is made of one piece, with strong maple handle, that will not become loose.

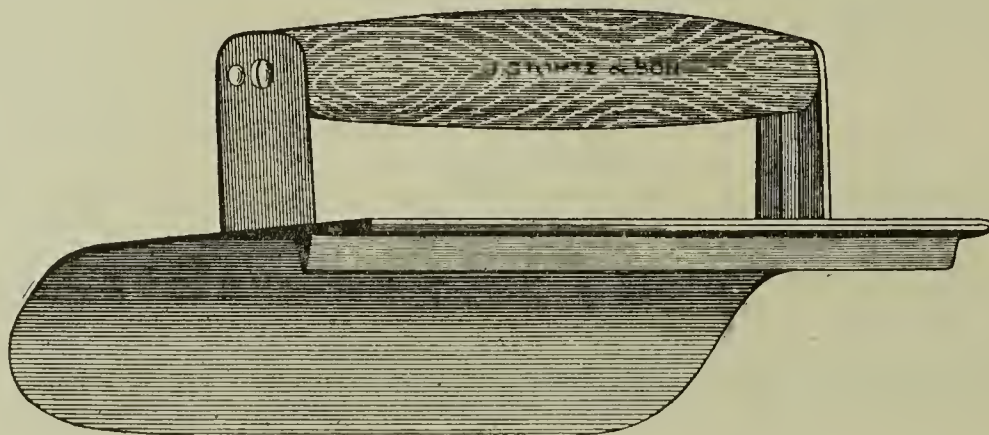
No. 109.—Bronze,	1 in. high, 8 in. wide, 9 in. long.....	price,
No. 110.—Iron,	1 in. high, 8 in. wide, 9 in. long.....	" 4.50
No. 111.—Bronze,	$1\frac{3}{4}$ in. high, 10 in. wide, 9 in. long.....	"
No. 112.—Iron,	$1\frac{3}{4}$ in. high, 10 in. wide, 9 in. long.....	" 5.00

Special design or sizes of Residence Curb or Coping Tools to order.

Fig. 343**GUTTER TOOL**

Gutter Tools are used in making and finishing the gutters to carry off water in walks, floors, pavements, etc. With their use neatly, well proportioned trenches are made, the cement well packed, preventing chipping, etc. A necessary tool for the purpose.

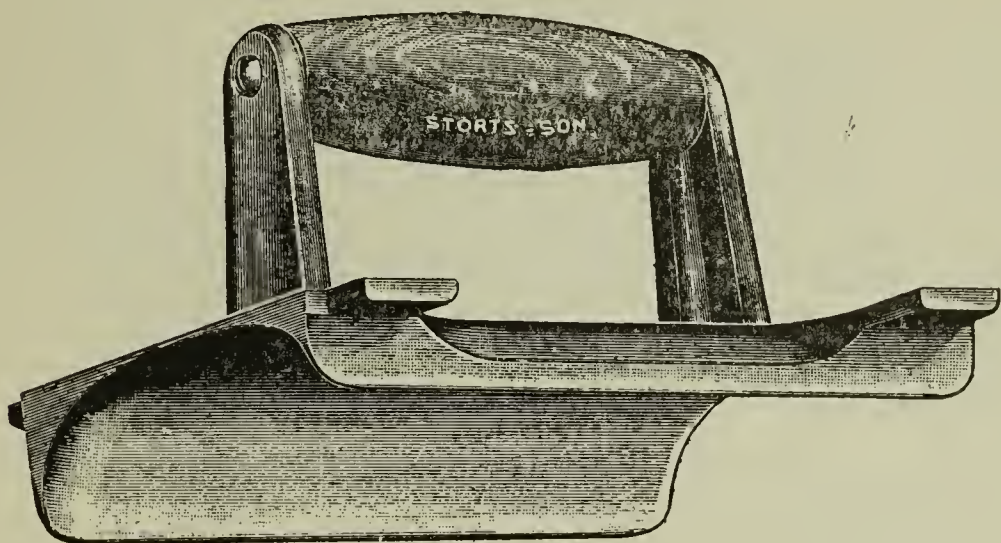
No. 37.—Bronze,	1 in. deep, $4\frac{1}{2}$ in. wide, 7 in. long.....	price,
No. 38.—Iron,	1 in. deep, $4\frac{1}{2}$ in. wide, 7 in. long.....	" 2.75
No. 39.—Bronze,	$1\frac{1}{2}$ in. deep, $5\frac{1}{4}$ in. wide, 7 in. long.....	"
No. 40.—Iron,	$1\frac{1}{2}$ in. deep, $5\frac{1}{4}$ in. wide, 7 in. long.....	" 3.00

Fig. 343-A**CURB EDGER AND JOINTER**

Used to finish the edge of a curb and make the joint between the curb and walk at one operation. A very useful, practical and time-saving tool, made with 1 inch radius for curbs 4 and 6 inches wide.

No. 315.—Bronze,	$7\frac{1}{2}$ inches long for 4-inch curb.....	price,
No. 316.—Iron,	$7\frac{1}{2}$ inches long for 4-inch curb.....	" 2.25
No. 317.—Bronze,	$7\frac{1}{2}$ inches long for 6-inch curb.....	"
No. 318.—Iron,	$7\frac{1}{2}$ inches long for 6-inch curb.....	" 2.75

Fig. 343-B DOUBLE RADIUS CURB TOOL

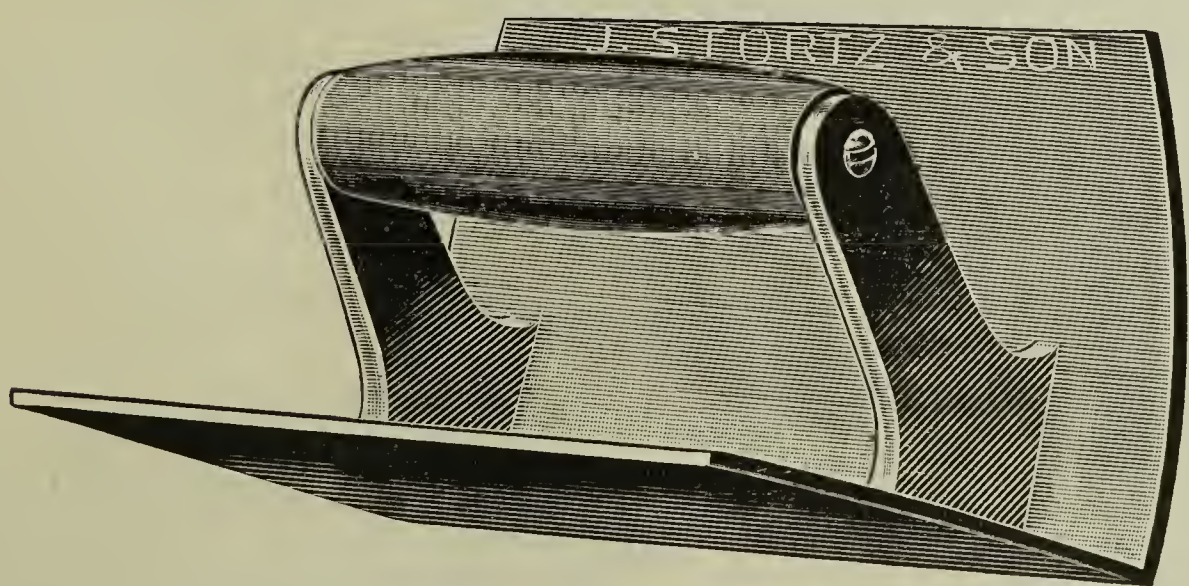


This tool is designed to finish the top and both edges of a curb in one operation. A great labor-saver, and is used principally where the curb does not adjoin the walk.

They are made for 4 and 6 inch wide curbs. The inner edge has a $\frac{3}{4}$ inch radius. the outer edge $1\frac{1}{2}$ inch radius.

No. 319.—Bronze, 4 inches wide, $7\frac{1}{2}$ inches long.....	price,
No. 320.—Iron, 4 inches wide, $7\frac{1}{2}$ inches long.....	“ 2.25
No. 321.—Bronze, 6 inches wide, $7\frac{1}{2}$ inches long.....	“
No. 322.—Iron, 6 inches wide, $7\frac{1}{2}$ inches long.....	“ 2.75

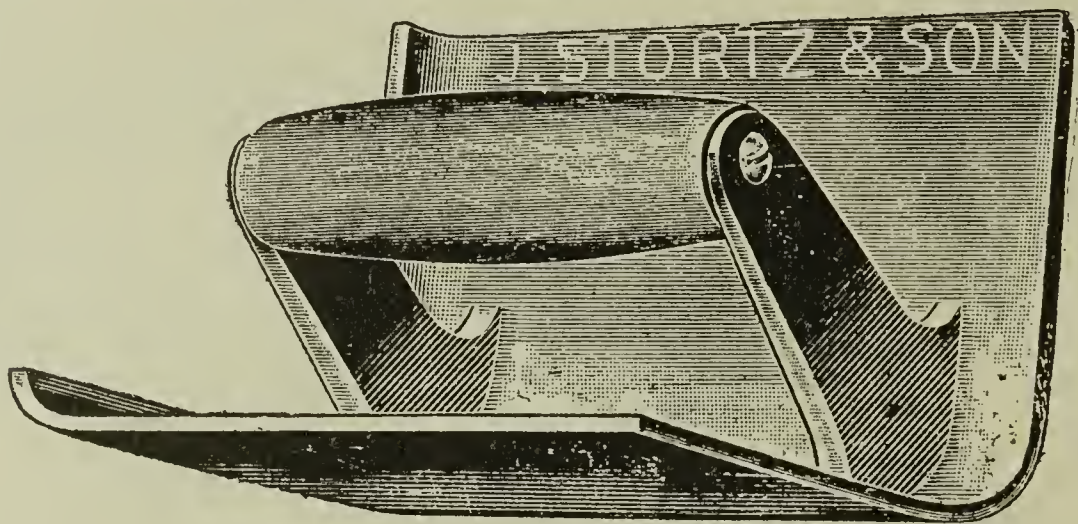
Fig. 343-C CURB AND GUTTER TOOL—Sharp Angle



This tool is designed for finishing curbs and gutters. Can be used on inside angle of steps or where a sharp angle is required. $7\frac{1}{2}$ in. long, 4 in. sides.

No. 191.—Bronze, polished	price, \$4.25
No. 192.—Iron	“ 2.75

Fig. 343-D CURB AND GUTTER TOOL—Round Angle

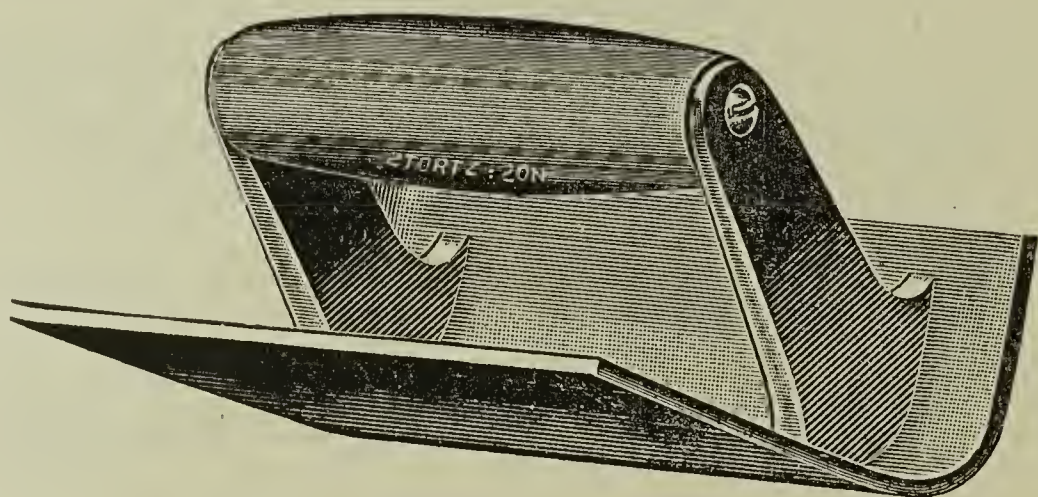


7½ inches long, 4 inch sides.

This tool is used for same purpose as Fig. 343-C, with ¾ inch radius, instead of sharp angle, and is therefore used for purposes where round angle is desired.

No. 192.—Bronze, polished	price, \$4.25
No. 194.—Iron	“ 2.75

Fig. 343-E BASE TOOL



7½ in. long, 1½ in. radius One side 4½ in., other side 6 in. high

Very useful in finishing the base of walls in hospitals, schools, etc., or where a sanitary base is required.

No. 323.—Bronze, polished	each,
No. 324.—Iron	“ 3.00

Fig. 343-E COMBINED GUTTER AND CURB TOOL

Is designed for making gutter grooves, also for the round curves on combined curbs and gutters. It is made slightly out of right angle, and made in three radiuses —1, 1½ and 2 inch—having one round nose; it can be used to finish curved corners, grooved columns, etc. A very handy tool.

7½ inches long.

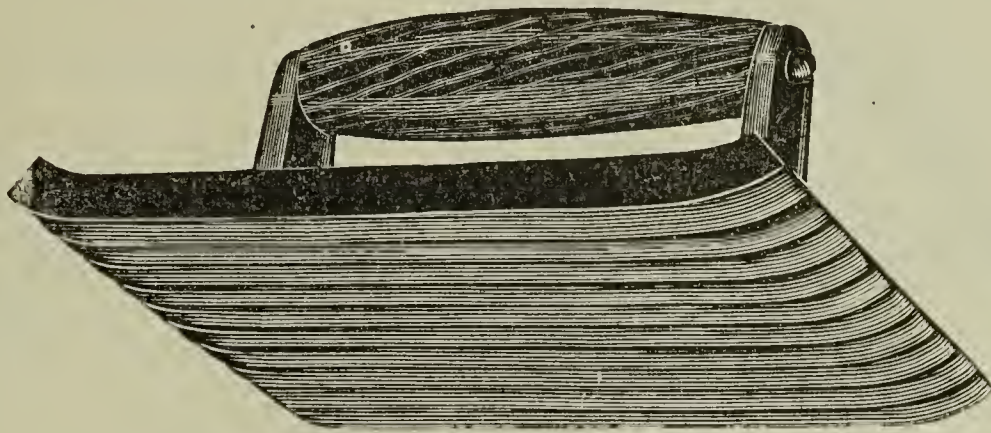
BRONZE.

No. 301.—1 inch radius....	.....
No. 303.—1½ inch radius....	.....
No. 305.—2 inch radius....	.....

IRON.

No. 302.—1 inch radius....	\$2.00
No. 304.—1½ inch radius....	2.25
No. 306.—2 inch radius....	2.50



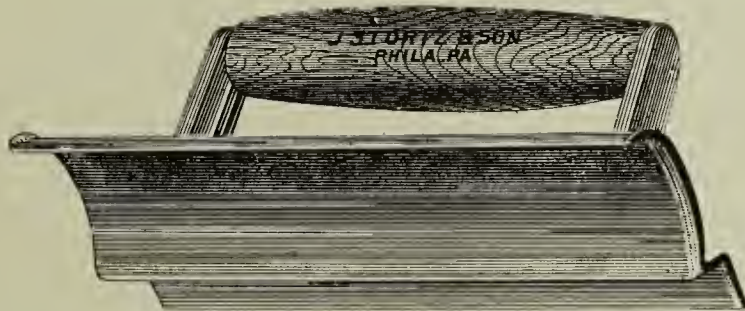
Fig. 344 BEADING OR CORRUGATING TOOL

This is our latest designed tool, and is found a very useful and necessary tool where a rough-beaded or corrugated surface is required for steps, drive-ways, stable floors, etc. 7 inches long, 5 inches wide.

No. 47	—Bronze,	$\frac{1}{2}$ in.	beads,	$\frac{3}{16}$ in.	high	.....	price,	.....
No. 48	—Iron,	$\frac{1}{2}$	"	$\frac{3}{16}$	"	.....	"	2.75
No. 47 $\frac{1}{2}$	—Bronze,	1	"	$\frac{1}{2}$	"	.....	"	.....
No. 48 $\frac{1}{2}$	—Iron,	1	"	$\frac{1}{2}$	"	.....	"	3.00

Fig. 344-A STEP NOSING TOOL

Step Nosing tools are found to be a necessity in the tool box of the up-to-date cement worker, as with them the making of steps is greatly facilitated, each tread being exactly alike and beautifully finished.



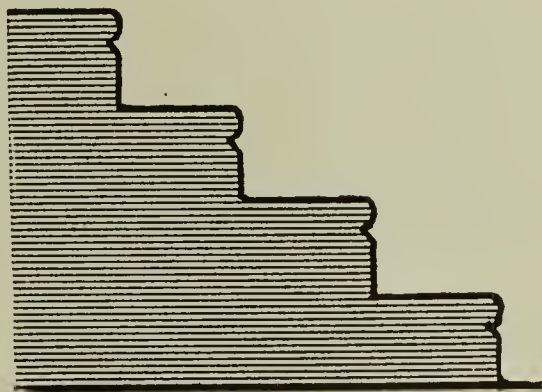
Nosing Tools are used to finish the nose or bead of the tread of steps, or for other ornamental purposes. They greatly facilitate this class of work, are therefore great labor-savers, a useful and economical tool.

7 in. long, 4 in. thick, $\frac{1}{2}$ in. recess.

No. 155.	—Bronze,	polished,	7 in.	long,	$2\frac{1}{2}$ in.	tread.....	price,	.....
No. 156.	—Iron,		7	"	$2\frac{1}{2}$	"	"	2.50
No. 159.	—Bronze,		6	"	$1\frac{1}{2}$	"	"	.....
No. 160.	—Iron,		6	"	$1\frac{1}{2}$	"	"	2.50

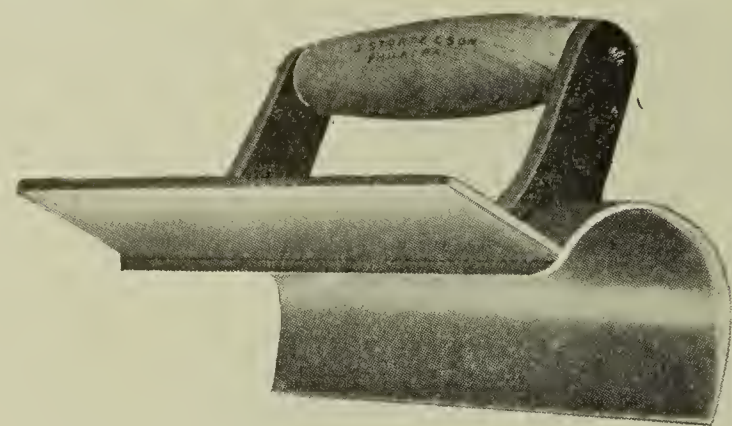
Fig. 344-B

Showing section of step made by Nosing Tool, Fig. 344 A.



NOSING TOOLS CAN BE MADE OF ANY SPECIAL DESIGN UPON RECEIPT OF SKETCH. PRICES UPON APPLICATION.

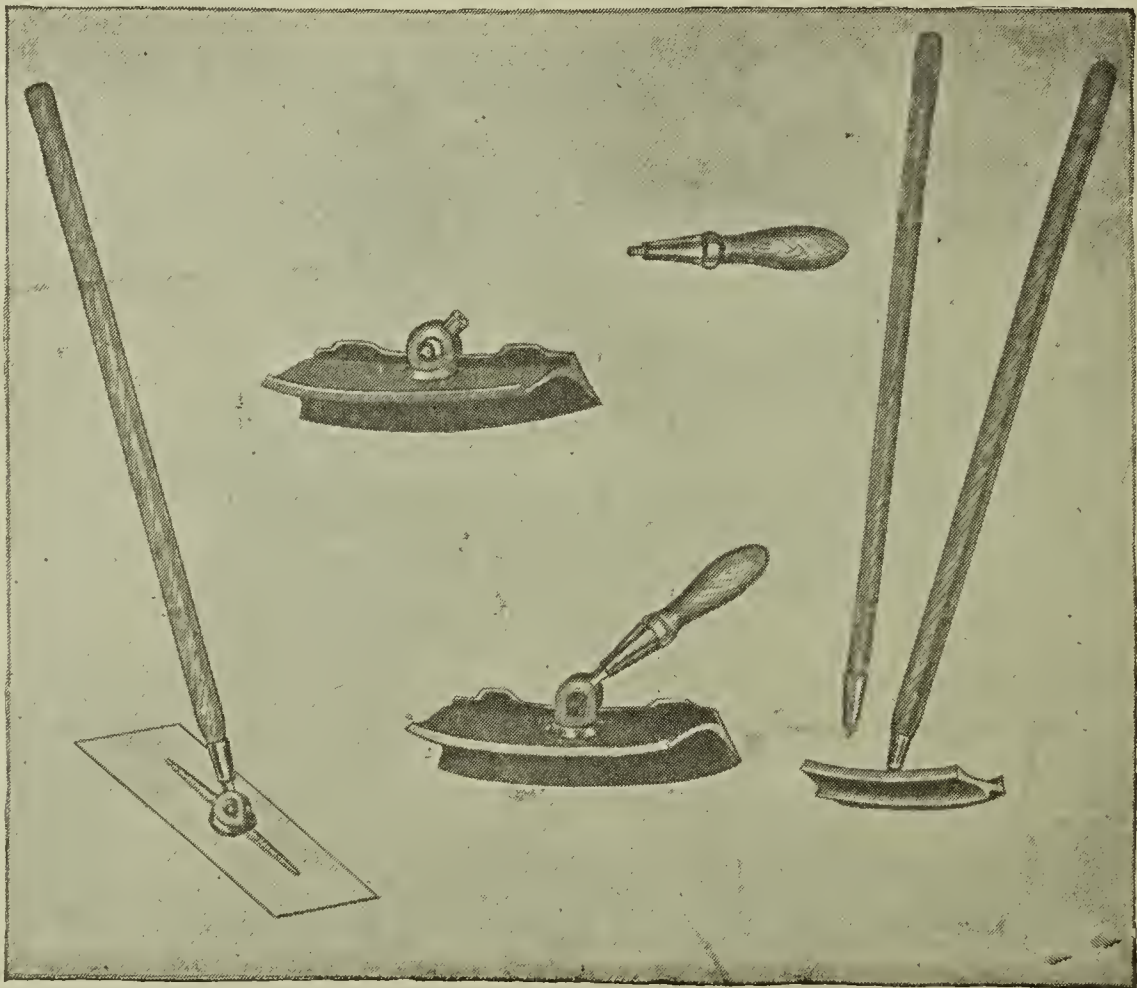
Fig. 344-C OVERHANGING NOSE PATTERN



To meet the demand for an overhanging tread, we have designed the tool as shown. They also make a slight joint between the riser and tread. We carry them in stock for treads 1½ inches, also 2½ inches thick.

No. 307.—Bronze,	7 inches long,	1½ inch tread.....	price,
No. 308.—Iron,	7 inches long,	1½ inch tread.....	“ 2.50
No. 309.—Bronze,	7 inches long,	2½ inch tread.....	“
No. 310.—Iron,	7 inches long,	2½ inch tread.....	“ 2.50

Fig. 345 LONG HANDLE BALL BEARING CEMENT TOOLS



A turn of the handle loosens the tool so that it can be turned completely around if need be, and the handle can be raised and lowered to any angle desired. A turn of the handle securely tightens the handle and tool.

No wrench, no spanner, no screw-driver, to mislay and look for, is required.

These tools were especially invented to supply long-handled cement tools with a reliable, handy adjustable fastening, for the cement worker who does not wish to finish his work stooping or on his knees, but prefers to do his finishing in a standing position.

They can be used as short-handle tools if desired. (See cut.)

Set, consisting of Trowel, Jointer and Edger, with two long and one short handle

Single tools furnished. Any or all of our short-handle tools will be furnished for long handles, if desired, at a slight advance to short-handle prices.

Fig. 346

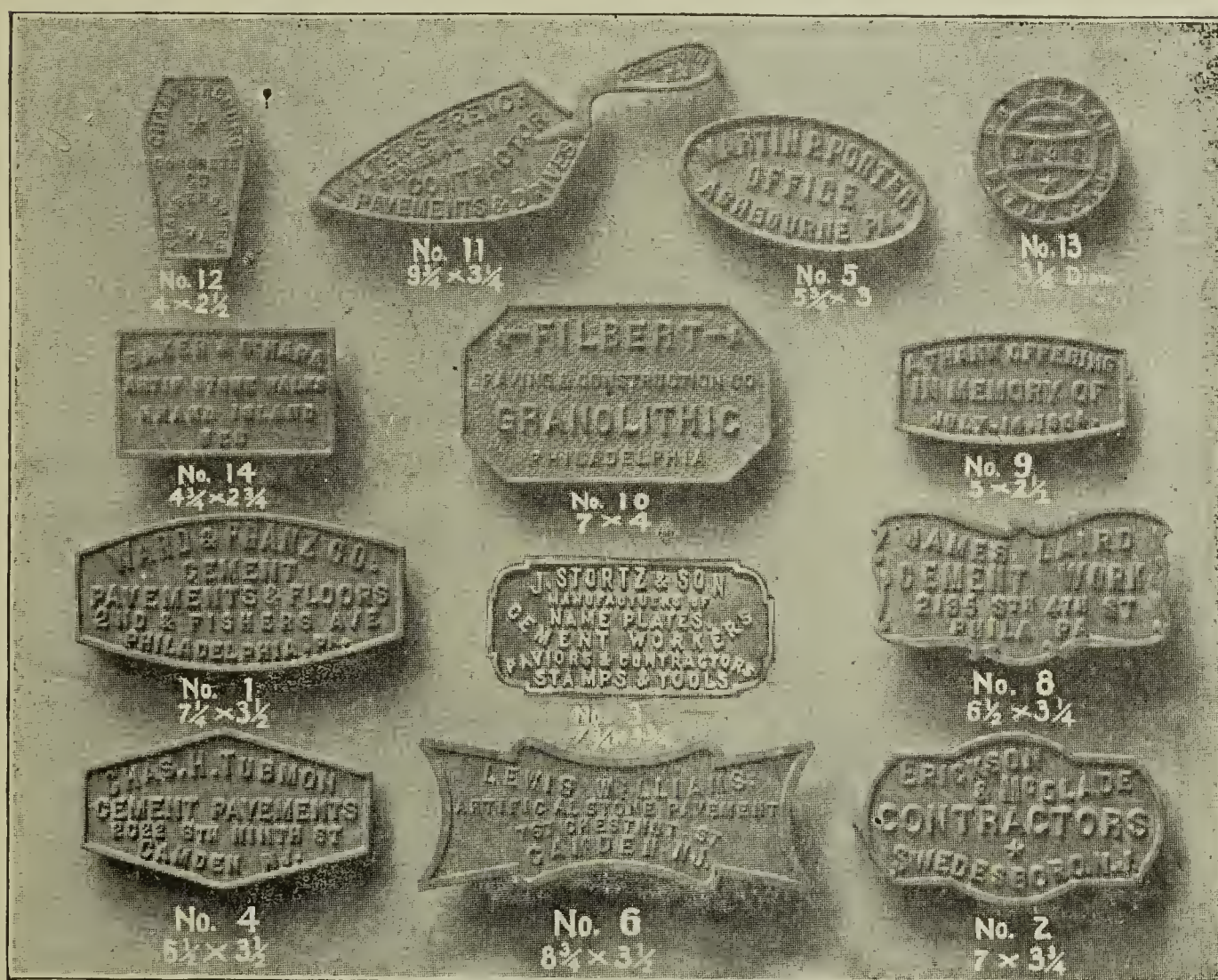
BURNING BRANDS



PRICE ON APPLICATION.

For burning names on wheelbarrows, shovels, picks and handles of tools generally. The use of a Burning Brand prevents the loss of many tools. Made with sharp-faced letters. Give size of letters desired.

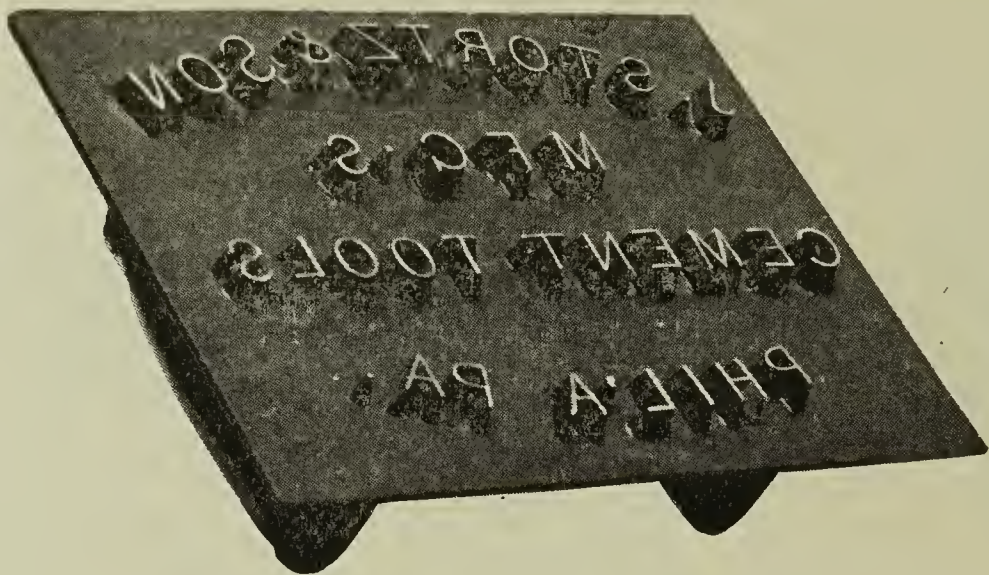
BRONZE NAME PLATES



Name plates inserted in pavements or other work are a standing advertisement for the contractor or paver. They are made with lugs to assure a firm hold in the cement. The above cut shows a few of our designs. When ordering order by number. Prices on application. Will submit other designs if desired or quote on original design or sketch.

Fig. 347

NAME STAMPS



This tool is used by pavers to brand or stamp their work, and pays its cost many times over as an advertising medium. It is pressed into the pavement before it is set or thoroughly dry. Above cut shows stamp without border.

It is made in one piece, with two strong handles to secure a good even pressure while using. Sharp well-raised letters.

Size of letters usually used, $\frac{5}{8}$ or $\frac{3}{4}$ inch.

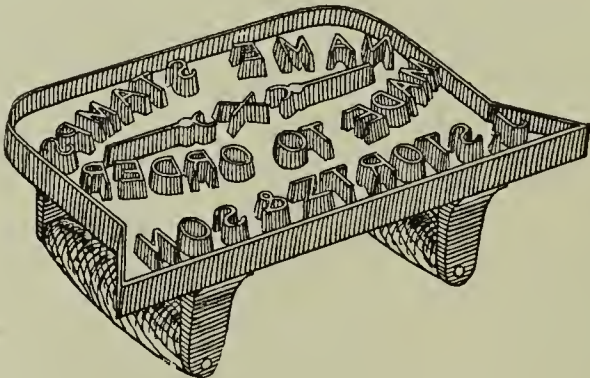
No. 49.—6 x 8½ inches, 20 letters or less.....Iron, \$5.50; Bronze, \$8.50

No. 75.—8 x 10½ inches, 20 letters or less.....Iron, 6.50; Bronze, 9.50

Each additional letter.....Iron, .30; Bronze, .40

Fig. 348

WITH BORDER

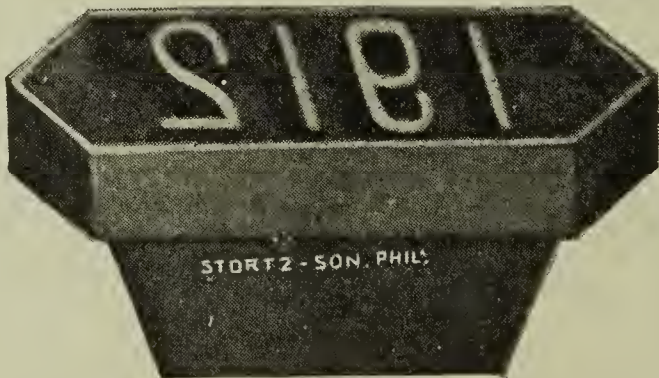


The above cut shows a Stamp with an edging or border around it. Stamps can be made with or without border as desired. Stamps with border \$1.00 additional.

Stamps of special design made to order. Send sketch or description for price.

Fig. 349

DATE STAMP



For stamping date in cement work. 1-inch figures.

No. 80.—Iron, polishedprice \$1.50

No. 81.—Bronze, polished “ 2.00

Fig. 350

BRASS LETTERS



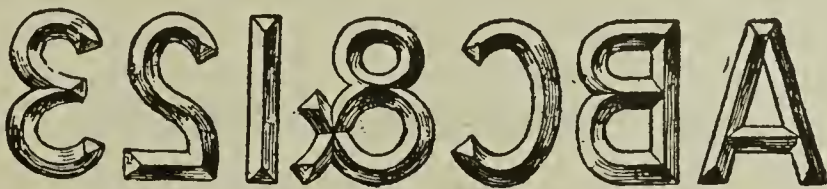
These letters are used for the same purpose as name plates, to be embedded in pavements, etc.; are made with lugs to prevent them becoming loose and assure a firm hold.

BRASS		
2 inch letters	.....each,	\$0.60
3 inch letters	....."	.75
4 inch letters	....."	1.00
6 inch letters	....."	1.40
8 inch letters	....."	2.00

Other sizes or special designs of letters made to order.

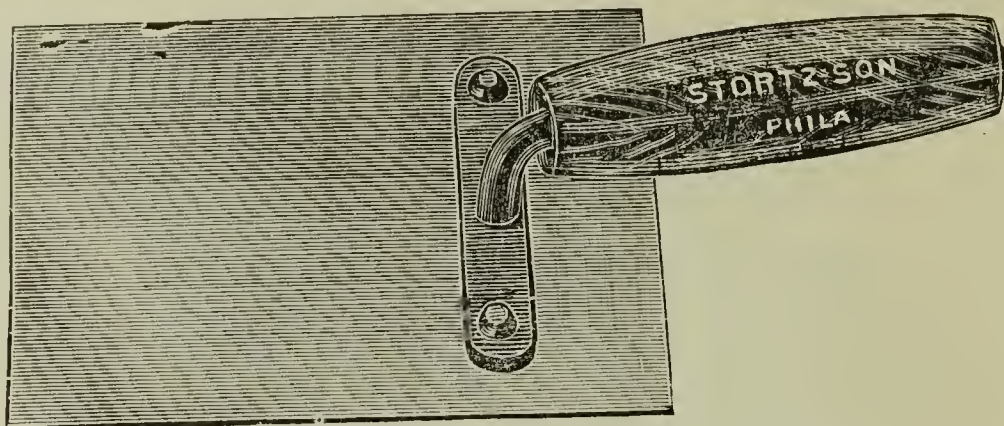
Fig. 350¹/₂

ALPHABET AND FIGURES



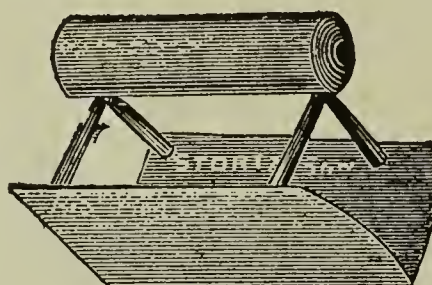
Made of brass, are well finished. Can be pressed or tamped into the cement. With a set of alphabets and figures any name and number can be impressed.

BRASS		
Alphabet, 1	inch high, A to Z.....per set,	\$5.50
1 ¹ / ₄	inches high, A to Z....."	6.00
1 ¹ / ₂	inches high, A to Z....."	6.75
2	inches high, A to Z....."	7.50
3	inches high, A to Z....."	11.00
4	inches high, A to Z....."	15.00
6	inches high, A to Z....."	22.00
Figures, 1	inches high, 0 to 9....."	2.00
1 ¹ / ₄	inches high, 0 to 9....."	2.25
1 ¹ / ₂	inches high, 0 to 9....."	2.25
2	inches high, 0 to 9....."	2.50
3	inches high, 0 to 9....."	3.75
4	inches high, 0 to 9....."	5.00
6	inches high, 0 to 9....."	7.50

Fig. 351**SMOOTHING TROWEL**

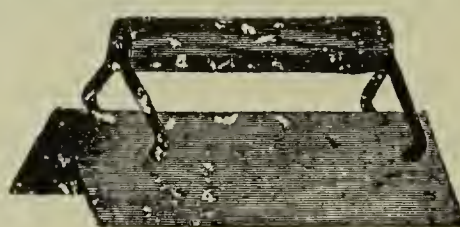
This is our latest smoothing trowel. It is made with the brace of the tang across, and set well back on the blade, allowing more elasticity to the blade than the regular patterns of smoothing trowels; on the principle of a brick trowel with blade as shown. Made of highest grade of trowel steel; neat, light and very handy.

No. 198.— $4\frac{1}{4} \times 5\frac{1}{4}$ inchper dozen, \$15.00

Fig. 351-A**ANGLE TROWEL**

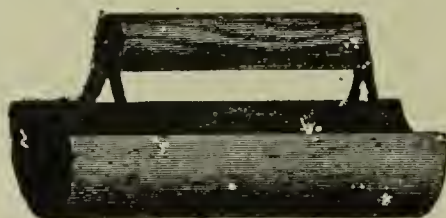
This angle or inside corner trowel is used to finish the inner angles of steps or copings, etc. It is made of the best quality of steel.

No. 50.—6 inches long, $2\frac{3}{4}$ inch sides.....per dozen, \$20.00

Fig. 351-B**OUTSIDE ANGLE TROWEL**

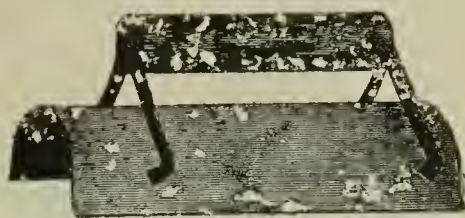
These trowels are made of the best crucible steel and are used to finish the outer angles and corners of steps, copings, etc.

No. 54.—6 inches long, $2\frac{3}{4}$ inch sides.....each, \$2.50

Fig. 352**INSIDE CIRCLE OR COVE TROWELS**

These trowels are made of the best grade of tempered trowel steel and are used to finish coves, inner circles, curves, flutings, etc. They can be furnished of any desired radius.

No. 52.—2 inch radius, 4 inches across top.....each, \$2.50

Fig. 353**OUTSIDE CIRCLE TROWELS**

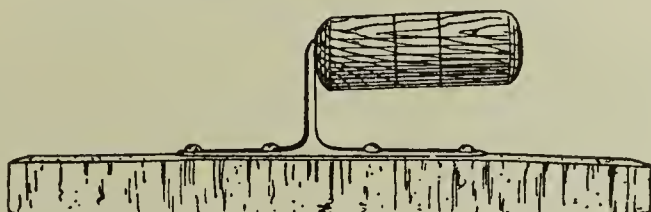
These trowels are of the same quality as Fig. 352, but are used to finish pillars, circular projections, outside circles, etc.

No. 53.—2 inch radius, 4 inches across bottom.....each, \$2.50

Fig. 354**WOOD FLOATS**

This float is used with a smoothing trowel to float or smooth the topping. It is made of selected oak or pine.

No. 229.— $\frac{7}{8}$ x $4\frac{1}{2}$ x $11\frac{1}{2}$ inches.....per dozen, \$6.00

Fig. 355**CORK FLOATS**

A tool for extra-fine work, where best results must be had.

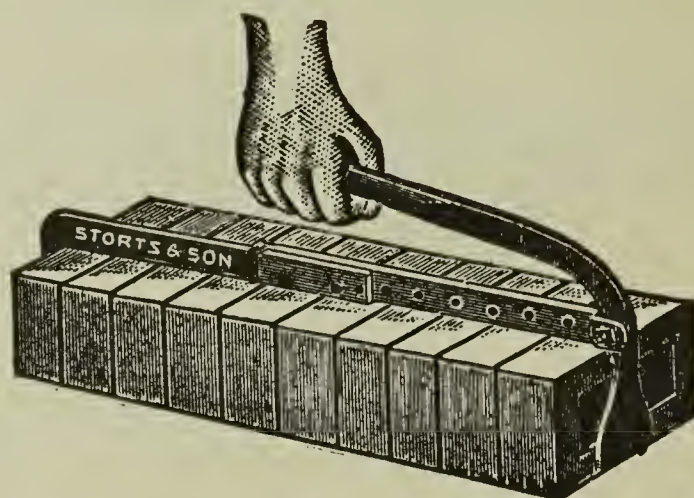
No. 230.—5 x 12 x 1 inch.....each, \$1.50

Fig. 356**ALUMINUM FLOATS**

Corrugated and smooth face. The lightest floats made. An ideal tool.

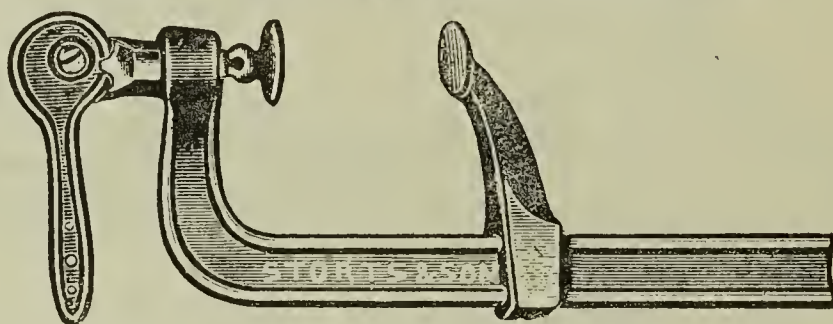
No. 249.—Corrugated, 10 inches long, 4 inches wide.....each, \$3.50

No. 250.—Smooth face, 12 inches long, $4\frac{1}{2}$ inches wide..... “ 3.50

Fig. 357 CEMENT BLOCK OR BRICK HANDLERS

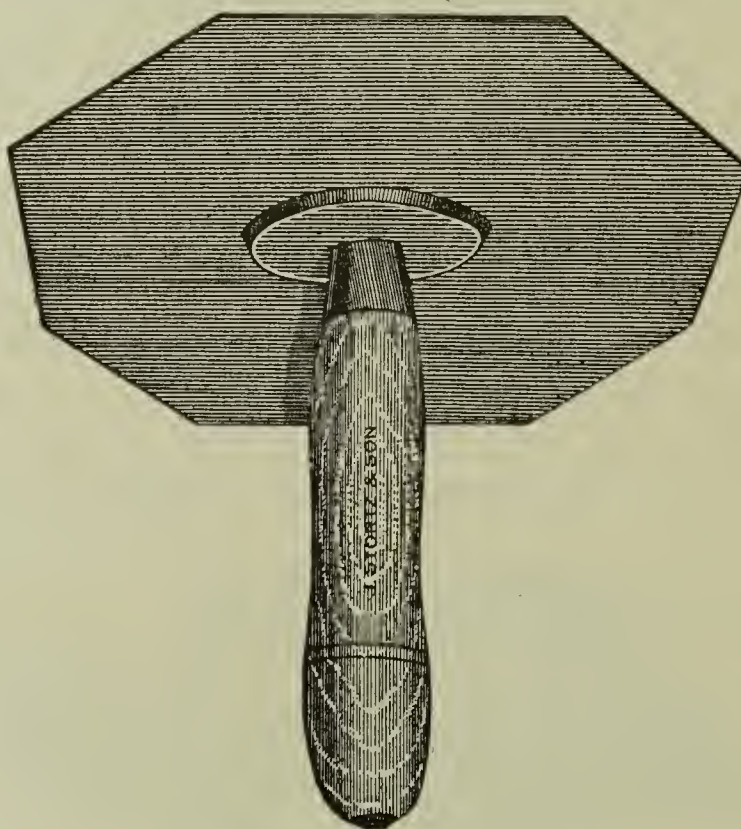
A handy, useful tool. Will hold ten regular bricks; adjustable to carry a smaller number. Strong and light.

No. 82.price, \$5.00

Fig. 358 ADJUSTABLE CURB CLAMP

A time saver. For holding curb forms in place. Immediately adjusted by the eccentric. Sure grip. Superior annealed iron.

No. 96.—18 inches long.....per dozen, \$25.00

Fig. 359 STEEL PLATE HOCKS

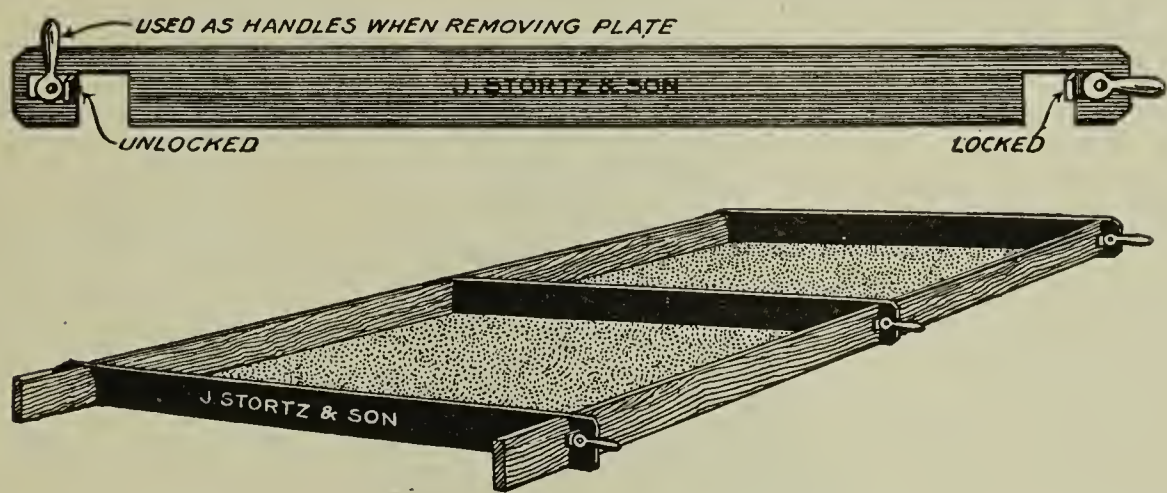
These Hocks are made with a light steel octagon shaped blade, with a large plate, as shown in the cut, under the handle, firmly riveted to the blade, making them strong, light and very durable.

They can be furnished with leather guard between the plate and handle to protect the hand from cold and dampness. Hard maple handles.

No. 257.—11 inches.....each, \$3.25

Fig. 360-A

STORTZ & SON EXPANSION JOINT PLATES AND FORM HOLDERS



Perfect alignment, true expansion joints; no time wasted in setting forms; durable time and money savers; will pay their costs in a short time.

Note.—The lower cut illustrates the form and expansion joint plates set ready to fill in, and explains itself. Any number of plates can be used. The plates being set level with the top of the forms, there is no obstruction for strike off or floating. A turn of the handle locks and unlocks the plates. No wedges, keys or hammers to get mislaid. No obstruction of any kind. Will last a lifetime.

The upper cut shows the expansion joint plate; on the right is shown the lever drawn down, forcing the lock forward as against the form when locked the left hand shows the lever thrown up, opening the lock on the forms, and can be used as handles when removing the plates. When the blocks are completed the expansion plates and be removed and are ready for use in another section of the walk. Six plates make a set, being what a gang of six or eight men can use to the best advantage. The plates, however, are sold in any number.

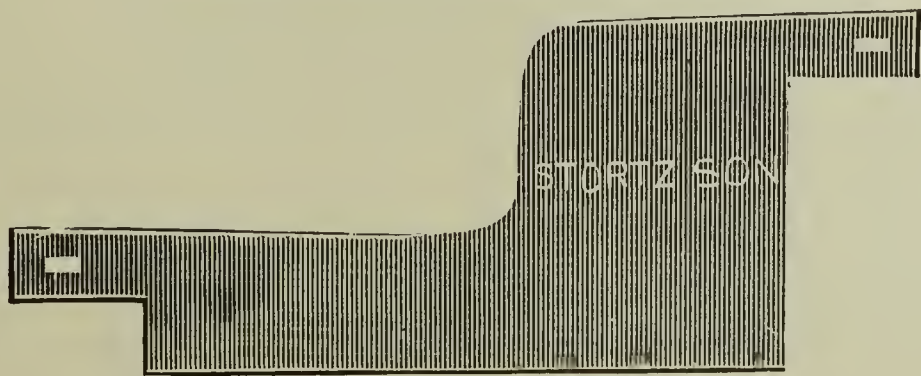
Steel, 4 inches wide, 1/4 inch thick.

Stock sizes, for making a walk 4 feet wide.....	price each,	\$4.25
Stock sizes, for making a walk 5 feet wide.....	"	4.75
Stock sizes, for making a walk 6 feet wide.....	"	5.25
Stock sizes, for making a walk 8 feet wide.....	"	6.25

Price on other widths quoted on application. Plates are furnished for 2 x 4 inch rails unless otherwise specified.

Fig. 360-B

GUTTER TEMPLATES



Upon receipt of sketch showing requirements in curb or gutter templates we will quote prices.

Fig. 361

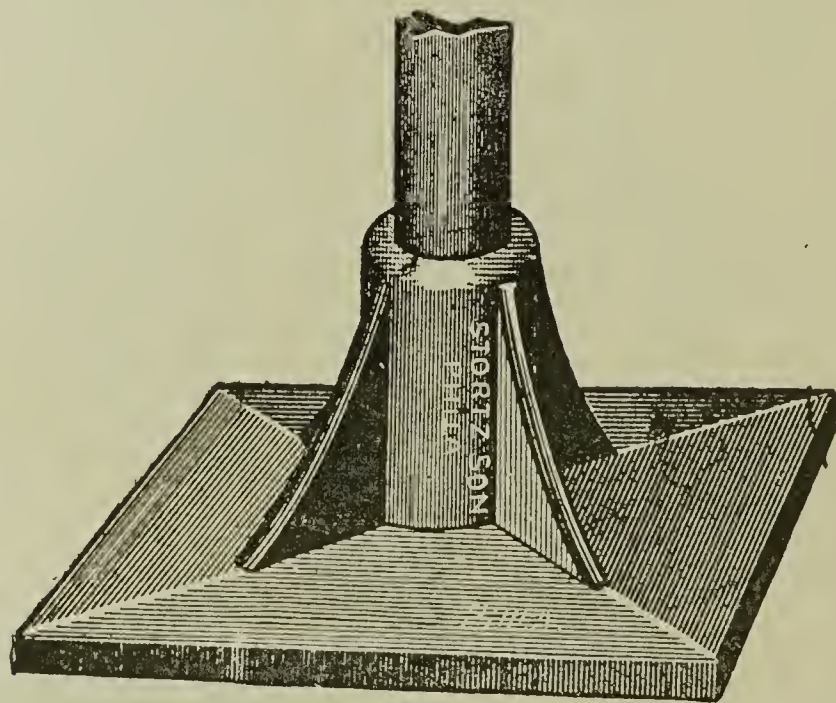
CAST IRON TAMPERS



No. 337.—4 x 4 inches, 10 pounds	price,	\$1.65
No. 338.—4 x 6 inches, 12 pounds	"	2.00
Extra Handles	per dozen,	\$3.75

Fig. 362

CAST IRON TAMPERS



For general use in tamping dirt, cinders, concrete, etc.; made of one piece of iron, with strong 4-foot hickory handles.

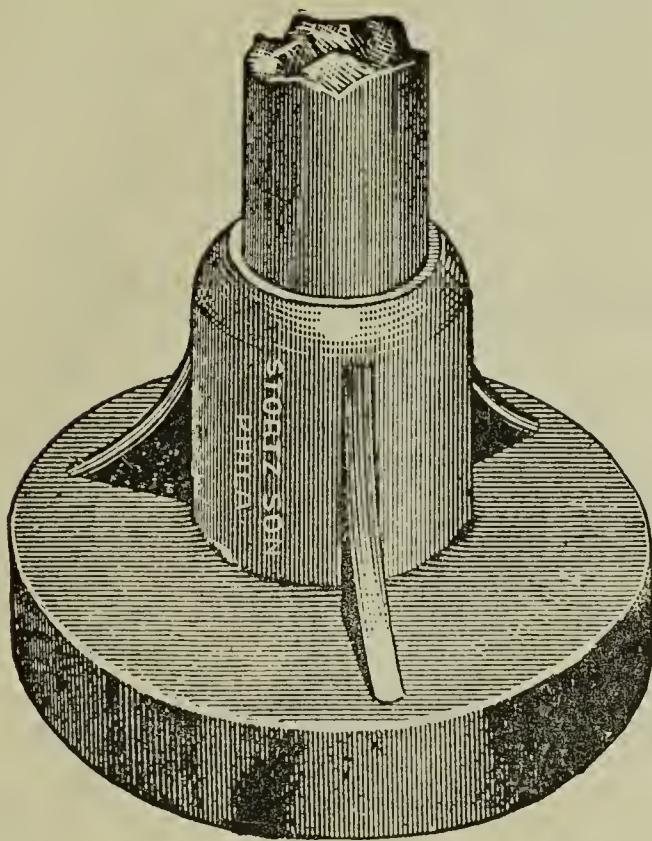
No. 338½.—5 x 5 inches, 11 pounds	price,	\$2.00
No. 339.—6 x 6 inches, 14 pounds	"	2.25
No. 340.—6 x 8 inches, 17 pounds	"	2.50
No. 340½.—8 x 8 inches, 18 pounds	"	2.75
No. 341.—8 x 10 inches, 24 pounds	"	3.25

Pipe Handles advance, \$1.00 each list.

All Tampers can be furnished with pipe or wood handles. Special sizes or weights made to order

Fig. 363

DIRT TAMPERS

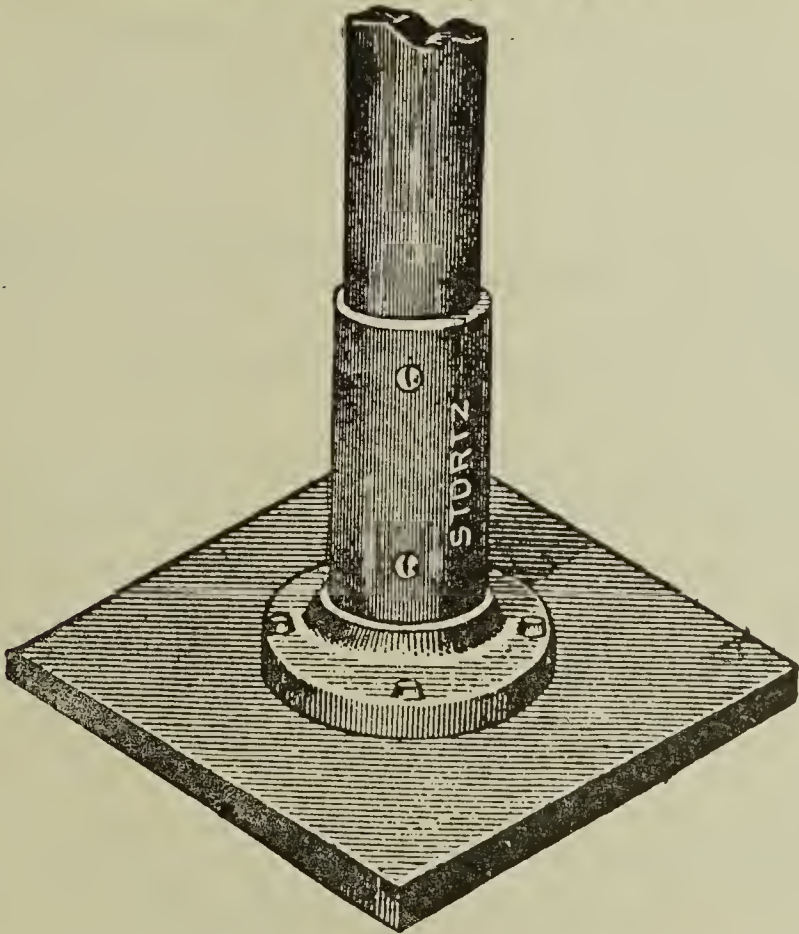


Dirt Tampers, for the same purpose as the cast-iron Tampers, Fig. 362, are cast in one solid piece; handles same grade and size.

No.	Price
343.—4 in. diam., 12 lbs.....	\$2.00
344.—6-in. diam., 18 lbs.....	2.50
345.—7-in. diam., 23 lbs.....	2.70
346.—8-in. diam., 25 lbs.....	3.25
Pipe Handles advance \$1.00 each list.	

Fig. 364

STEEL CONCRETE TAMPERS



These Tampers are made of heavy rolled steel plates, $\frac{3}{8}$ inch thick, with sockets, securely riveted to the plate with extra-heavy rivets, making the most durable Tamper in use. The sockets have lugs on the inside to prevent the handle from becoming loose. Heavy, straight-grained, 4-foot handles.

No. 333.— 8 x 8 in.....	14 lbs.	.....price,	\$4.00
No. 334.—10 x 10 in.....	18 lbs.	.....	4.50
No. 335.—12 x 12 in.....	25 lbs.	.....	5.00
Pipe Handles advance \$1.00 each list.			

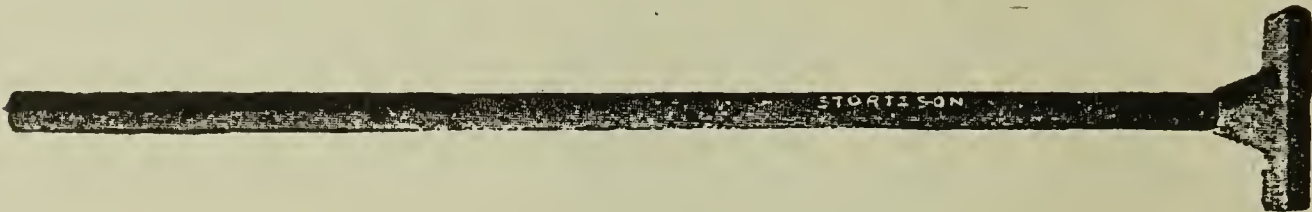
TAMPER HANDLES

Extra Hard Wood, 4 feet long, 2 inches thick.....per dozen, \$7.50

Fig. 365

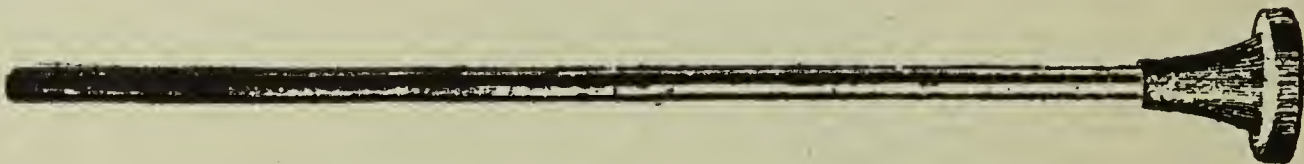
PIPE HANDLE TAMPERS

Used for the same purpose as other Tampers, but have pipe handles cast into the shoes, so as not to burn off when heating, as for asphalt, etc., likewise for general heavy work.



- No. 130.—4½x9, weight 26 poundsprice, pound, \$0.20
- No. 131.—5 x7, weight 20 pounds “ “ .20

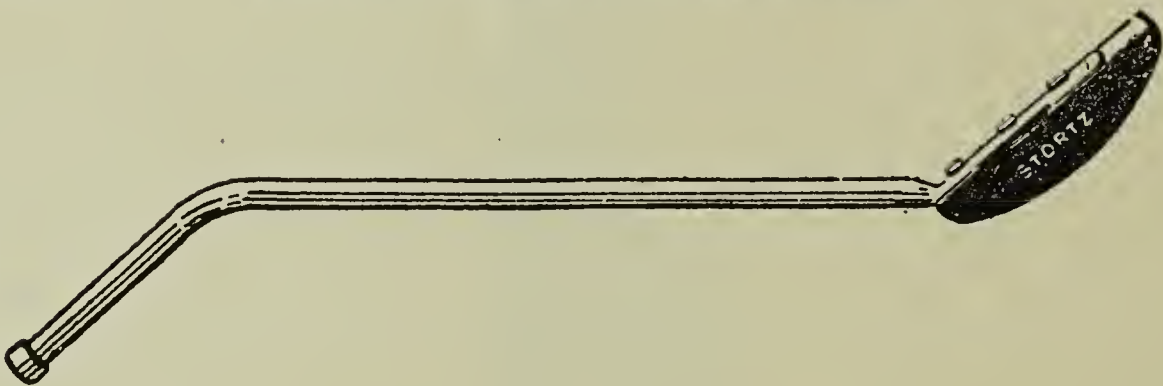
Fig. 366



- No. 132.—6 inches, weight 20 pounds.....price, pound, \$0.20

Fig. 367

ASPHALT SMOOTHING IRON

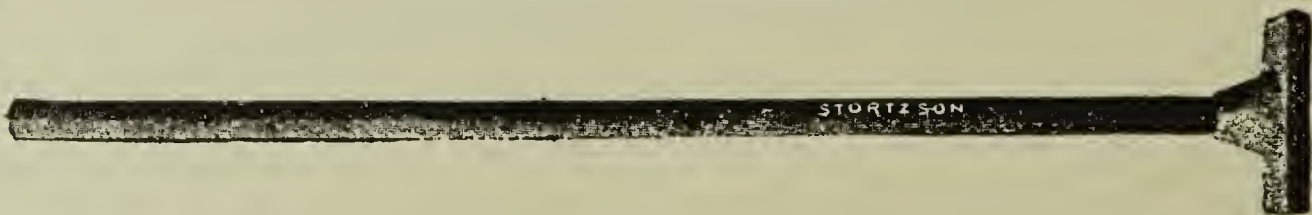


These Smoothers are especially designed for smoothing hot asphalt, and are made of cast iron, with smooth ground face. The handle is of piping and is detachable.

- No. 5.—5x10 inches, about 35 pounds.....price, pound, \$0.25
- 5x12 inches, about 55 pounds “ “ .25
- 7x15 inches, about 75 pounds “ “ .25

Fig. 368

ASPHALT TAMPERS



Are used for tamping hot asphalt. Can be used as gutter tampers. They are slightly round, with smooth ground face. Cast with pipe handles, so as not to burn off when put in fire.

- No. 128.—Pipe handle, weight 26 pounds.....price, pound, \$0.22

Fig. 369

ASPHALT STIRRERS



MADE OF BAR STEEL.

$\frac{7}{8}$ inch round, 5 feet long, eye handle.....	each,	.....
1 inch round, 5 feet long, eye handle.....	“	.....
$1\frac{1}{8}$ inch round, 5 feet long, eye handle.....	“	.....
$1\frac{1}{8}$ inch round, 6 feet long, eye handle.....	“	.....

PRICE ON APPLICATION.

Fig. 370

PIPE HANDLE DIGGING BAR



Steel points and blades, 1 in. pipe handle, 5 ft. 6 in. long, weight 11 lbs.each, \$3.75

Fig. 371

STEEL CROW AND DIGGING BAR



1 in. steel, 5 ft. long, 14 lbs.	per lb.,	\$0.20
$1\frac{1}{8}$ in. steel, 6 ft. long, 23 lbs.	“	.17

Fig. 372

STEEL TAMPING AND DIGGING BAR



1 in., 7 ft. long, 20 lbs.	per lb.,	\$0.22
$1\frac{1}{8}$ in., 8 ft. long, 29 lbs.	“	.20

Fig. 373

WOOD HANDLE TAMPING BAR



Hardwood Handle, Iron Shoe, 7 feet long.....each, \$6.00

Fig. 374

CURBSTONE LIFTS

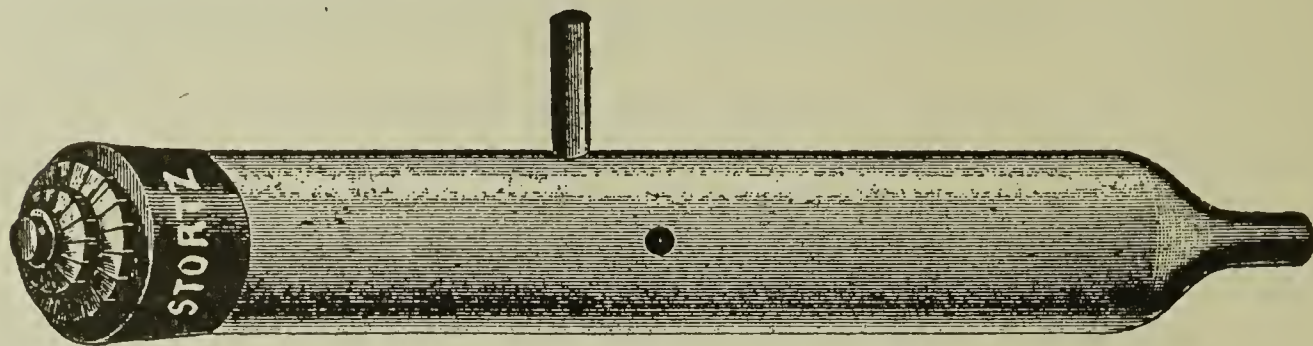


Curbstone Lifts, heavy hickory, bound with thick steel band

6 ft.	each,	\$9.25
7 ft.	“	10.00
8 ft.	“	11.25

BELGIAN BLOCK RAMMERS

Fig. 375—Philadelphia Pattern



Made of first quality, well-seasoned, gum wood, and strong hickory handles.
Weight 54 lbs.each, \$16.00

STREET PAVERS' HAMMERS

Fig. 376

Cobble Hammer

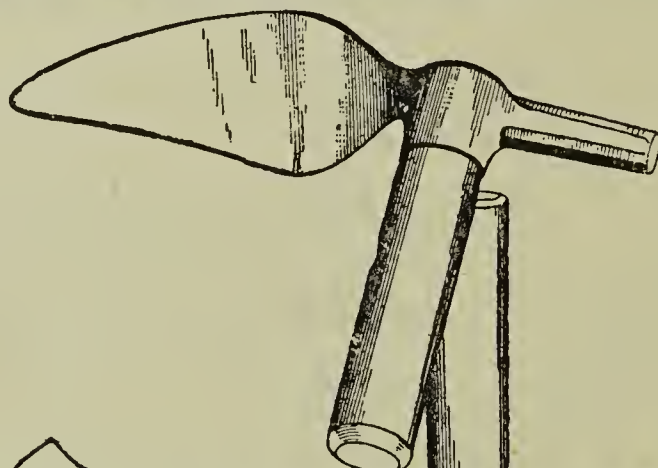


Fig. 377

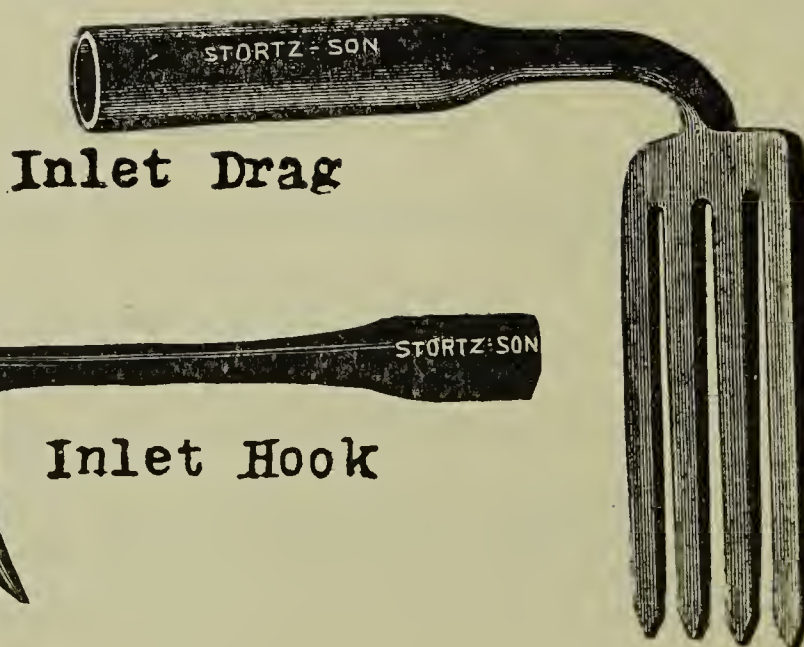
Belgian Block Hammer



No. 117.—Cobble Hammerseach, \$5.00
No. 118.—Belgian Block Hammers..... " 5.00

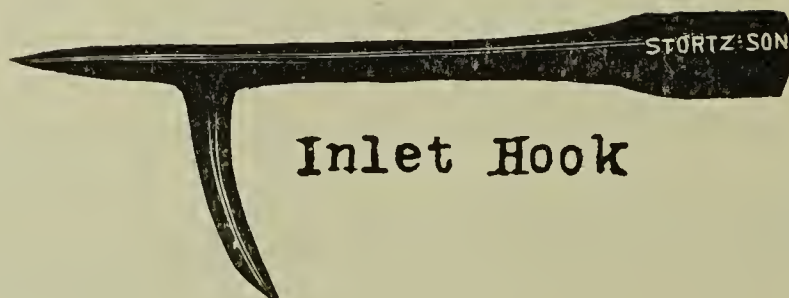
INLET TOOLS

Fig. 378



Inlet Drag

Fig. 379



Inlet Hook

INLET DRAG, without handle.....each,
INLET HOOK, without handle..... "
HANDLES "

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